TC-KE200/KE300/KE400S/RX300

SERVICE MANUAL

US Model TC-KF400S

Canadian Model TC-RX300

> AEP Model TC-KE200/KE300/KE400S

> > UK Model TC-KE200/KE400S

> > > Model

Australian Model TC-KE300/KF400S



Photo: TC-KE400S

* Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

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Model Name Using Similar Mechanism	TC-K215/K361/K461 S/RX361
Tape Transport Mechanism Type	TC-KE200: TCM-190VB22CS TC-KE300/KE400S: TCM-190VB12CS TC-RX300: TCM-190RB12C

SPECIFICATIONS

System

Recording system

4-track 2-channel stereo

Fast winding time (approx.)

90 sec. (with Sony C-60 cassette)

Bias

AC bias

Heads

Erasing head × 1 (F&F head) Playing/Recording head × 1 (SD head)

Motors

Capstan motor × 1 (DC servo motor) Reel motor × 1 (DC motor)

Signal-to-noise ratio (at peak level, weighted, and with Dolby NR off)

Type I tape, Sony Type I (NORMAL): 55 dB Type II tape, Sony Type II (HIGH): 57 dB Type IV tape, Sony Type IV (METAL): 58 dB

S/N ratio improvement (approximate values)

With Dolby B NR on: 5 dB at 1 kHz, 10 dB at 5 kHz With Dolby C NR on: 15 dB at 500 Hz, 20 dB at 1 kHz



Harmonic distortion

0.4% (with Type I tape, Sony Type I (NORMAL): 160n Wb/m 315 Hz, 3rd H.D.) 1.8% (with Type IV tape, Sony Type IV (METAL): 250n Wb/m 315 Hz, 3rd H.D.)

Frequency response (Dolby NR off)

Type I tape, Sony Type I (NORMAL) EXCEPT KE200 30-15,000 Hz (± 3 dB, IEC) 20-16,000 Hz (± 6 dB) KE200 30-14,000 Hz (± 3 dB, IEC) $20-15,000~{\rm Hz}~(~\pm~6~{\rm dB})$ Type II tape, Sony Type II (HIGH) EXCEPT KE200 30-16,000 Hz (± 3 dB, IEC) $20-17,000 \text{ Hz} (\pm 6 \text{ dB})$ KE200 30-15,000 Hz (± 3 dB, IEC)

— Continued on page 2 —



Type IV tape, Sony Type IV (METAL): EXCEPT KE200 $30-18,000 \text{ Hz} (\pm 3 \text{ dB}, \text{IEC})$ 30-13,000 Hz ($\pm 3 \text{ dB}$, -4 dB recording) $20-19,000 \text{ Hz} (\pm 6 \text{ dB})$ KE200 30-15,000 Hz (\pm 3 dB, IEC) 30-13,000 Hz ($\pm 3 \text{ dB}$, -4 dB recording) $20-16,000 \text{ Hz} (\pm 6 \text{ dB})$ Wow and flutter ± 0.13% W. Peak (IEC) 0.07% W. RMS (NAB) ±0.18% W. Peak (DIN) Inputs Line inputs (phono jacks) Sensitivity: 0.16 V Input impedance: 47 kilohms **Outputs** Line outputs (phono jacks) Rated output level: 0.5 V at a load impedance of 47 kilohms Load impedance: Over 10 kilohms

General

Power requirements

Headphones (stereo phone jack)

Where purchased	Power requirements
US, Canadian model:	120 V AC, 60 Hz
AEP, UK, German, Malaysia, Singapore mod	iel: 220 - 230 V AC, 50/60 Hz
Australian model:	240 V AC, 50/60 Hz
E model :	110 - 120 V or 220 - 240 V AC, 50/60 Hz adjustable with the voltage selector

Output level: 0.25 mW at a load impedance of 32 ohms

Power consumption

19 W (EXCEPT KE400S) 20 W (KE400S)

Dimensions (approx.) (w/h/d)

 $430 \times 120 \times 310$ mm ($17 \times 4\sqrt[3]{4} \times 12\sqrt[4]{4}$ inches) incl. projecting parts and controls

Mass (approx.)

3.5 kg (7 lbs 11 oz)

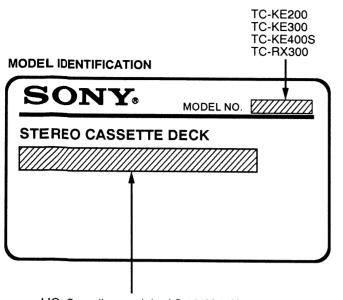
Supplied a ccessories

Audio connecting cords (2)

Design and $\,$ specifications are subject to change without notice.

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US, Canadian model : AC 120V 60Hz Australian model : AC 240V~50/60Hz AEP, UK, German, Malaysia,

Singapore model: AC 220 - 230V~50/60Hz E model: AC 110 - 120V or 220 - 240V~50/60Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ! OR DOTTED LINE WITH MARK A ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUB-LISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM-POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SAFETY CHECK-OUT

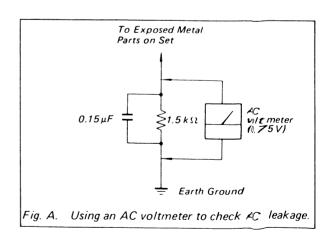
After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

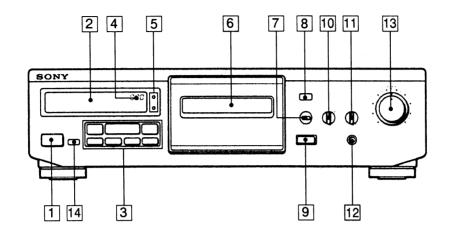
The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods

- A commercial leakage tester, such as the 1. Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instru-
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate lowvoltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)



SECTION 1 GENERAL

IDENTIFYING THE PARTS ON THE FRONT PANEL



- 1 POWER switch
- 2 Display panel
- 3 Tape operation buttons
 - (rewind) (Multi-AMS**) button
 - (play) button (KE200/KE300/KE400S)
 - ⟨forward play and reverse play⟩ button (RX300)
 ⟨fast-forward⟩ (Multi-AMS") button

 - (stop) button
 - II PAUSE button
 - REC MUTE (record muting) button
 - REC (record) button
- 4 Tape counter
- 5 Counter buttons RESET button MEMORY button

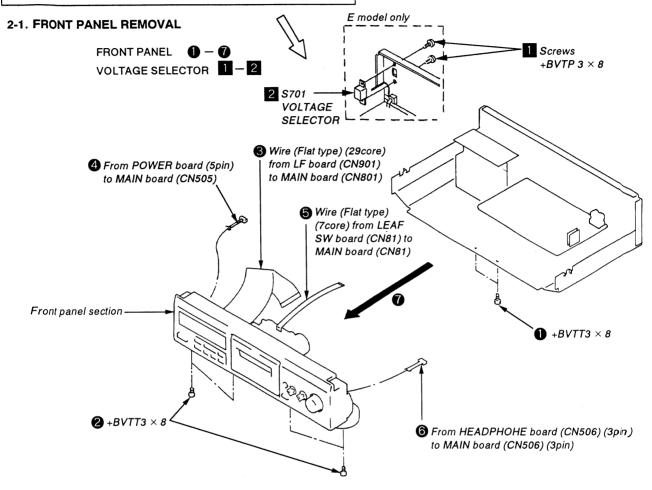
- 6 Cassette holder
- 7 AUTO CAL button (EXCEPT KE200)
- 8 Remote control sensor
- 9 ≜ (eject) button
- 10 DOLBY NR (noise reduction) button
- [1] BALANCE control
- 12 PHONES jack (stereo phone jack)
- 13 REC (recording) LEVEL control
- 14 DIRECTION MODE switch (RX300 only)
 - "AMS is an abbreviation for Automatic Music Sensor

SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

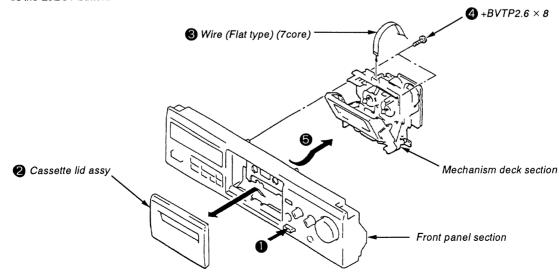
CASE

Unscrew the four case attachment screws M3 × 8 and remove the case.



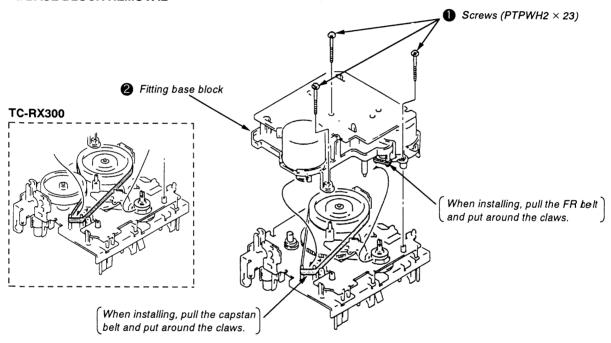
2-2. MECHANISM DECK SECTION REMOVAL

• Press the EJECT button.

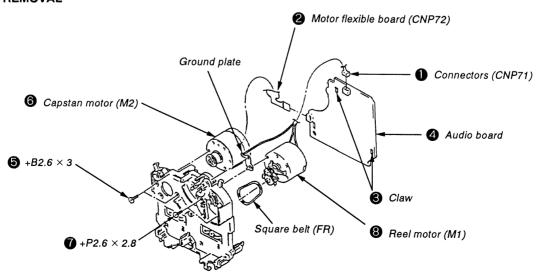


2-3. HEAD AND PINCH ROLLER REMOVAL **EXCEPT TC-RX300:** TC-RX300: 6 Claw 6 Erase head (HE901) 4 Lever (pinch lever REV) assy Claw Claw 6 +B 2 × 10 REC/PB head 6 Head base assy (HRPE901) (HRP901) 6 Screw (adjimuth) Torsion 2 Lever (pinch F) assy 2 Lever (pinch lever FWD) assy spring

2-4. FITTING BASE BLOCK REMOVAL



2-5. MOTOR REMOVAL



SECTION 3 ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab:

record/playback/erase head

pinch roller

rubber belts

capstan

- 2. Demagnetize the record/playback head with a head demagnetizer.
- 3. Do not use a magnetized screwdriver for the adjustment.
- 4. After the adjustments, apply suitable locking compound to the parts adjusted.
- 5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Mode Torque meter		Meter reading	
Forward	CQ-102C	35 to 60g • cm (0.48 to 0.83 oz • inch)	
Forward back tension	CQ-102C	2 to 60g • cm (0.03 to 0.08 oz • inch)	
Reverse (RX300 only)	CQ-102RC	-102RC 35 to 60g • cm (0.48 to 0.83 oz • inch)	
Reverse back tension (RX300 only)	CQ-102RC	2 to 6g • cm (0.03 to 0.08 oz • inch)	
FF/REW	CQ-201B	70 to 110g*cm (0.98 to 1.52 oz*inch)	

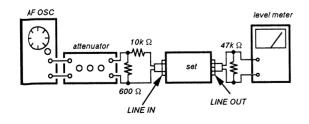
3-2. ELECTRICAL ADJUSTMENTS

PRECAUTION

- 1. The adjustment should be performed in the publication. (Be sure to male playback adjustment at first.)
- 2. The adjustments and measurement should be performed for both L-CH and R-CH.
 - Position of switches and controls knobs DOLBY NR switch : OFF
 - Standard record position:

Deliver the standard input signal level to input jack and set the RECLEVEL control to obtain the standard output signal level as follows.

- Record Mode -



Standard Input Level

Input terminal	LINE IN
source impedance	10k Ω
input signal level	0.5V (- 3.8dB)

Standard Output Level

Output terminal	LINE OUT
load impedance	47k Ω
output signal level	0.5V (- 3.8dB)

Test Tape

Tape	Contents		Use	
P-4-A100	10kHz, -	- 10dB	Azimuth Adjustment	
P-4-L300	315Hz,	0dB	PB Level Adjustment	
WS-48B	3kHz,	0dB	Tape Speed Adjustment	

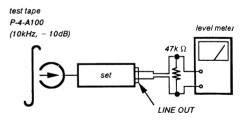
0dB=0.775V

Test Mode

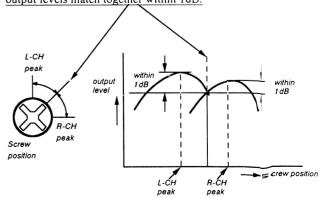
- 1. Insert a short-circuit plug into TP801 (2P) and turn ON the power switch. (Earth pin 79 of IC801 and turn ON the power
 - At first, all the fluorescent tubes light up, then the system returns to normal display. (However, "00 00" is not displayed on the
- 2. To release the test mode, remove the short plug and turn off the power switch.
- 3. Remove the short plug after completion of adjustment.

Record/Playback Head Azimuth Adjustment Procedure:

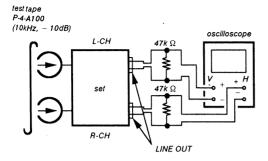
1. playback Mode

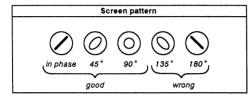


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1dB.



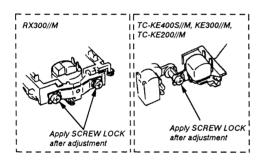
3. Phase check
Playback Mode





4. After the adjustment, lock the adjustment screws with suitable locking compound.

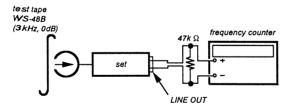
Adjustment Location: - record/playback head -



Tape Speed Adjustment

Procedure:

- Playback Mode -



- 1. Adjust RV71 so that the frequency counter reading becomes $3,000 \pm 10$ Hz.
- 2. If, the frequency conter reading does not become 3,000 \pm 10Hz. Turn RV 72 and back to 1st. step again.

Note:

Turn RV72 to clockwise - Tape speed becomes fast.

Turn R∨72 to counter clockwise - Tape speed becomes slow.

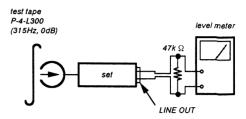
Frequency difference between the beginning and the end of the tape should be within 1%.

Adjustment Location: AUDIO board (Page 9)

Playback Level Adjustment

Procedure:

- Playback Mode -



Adjust RV11 (L-CH) and RV21 (R-CH) so the level meter reading becomes the adjustment limits below.

Adjustment Value:

LINE OUT level : -7.7 ± 0.5 dB (0.301 to 0.338V)

Level difference between channels: within 0.5dB

Confirm the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times

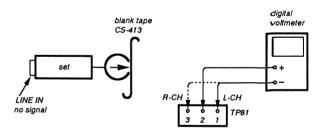
Adjustment Location: AUDIO board (Page 9)

Bias Consumption Current Adjustment

This adjustment should be performed when replacing the head assy or the bias oscillating transformer (T81, T91).

Procedure:

- Record Mode -



- 1. Connect the digital voltmeter to test point TP81.
- 2. Set RV81 (L-CH) and RV91 (R-CH) to mechanical center.
- 3. Set to record mode.
- 4. Adjust T81 (L-CH) and T91 (R-CH) so that the digital voltmeter reading becomes minimum.

Adjustment Location: AUDIO board (Page 9)

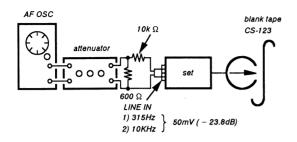
Record Bias Adjustment

Setting:

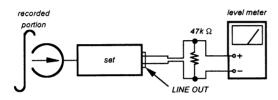
REC LEVEL control: standard record position (Refer to page 7)

Procedure:

1. Record Mode



2. Playback Mode



Confirm that the 10kHz playback output is 0 ± 0.5 dB relative to the 315Hz output. If necessary, adjust semi-fixed resistor as shown below and repeat the steps gibven above.

TC-KE200: RV12 (L-CH), RV22 (R-CH)

TC-KE300/KE400S/RX300: RV81 (L-CH), RV91 (R-CH)

Adjustment Location: AUDIO board

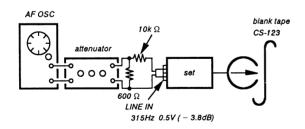
Record Level Adjustment

Setting:

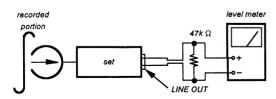
REC LEVEL control: standard record position (Refer to page 7)

Procedure:

1. Record Mode



2. Playback Mode



Confirm playback the tape recorded become adjustment level as follows.

If necessary, adjust RV111 (L-CH), RV211 (R-CH) and repeat the steps 1 and 2.

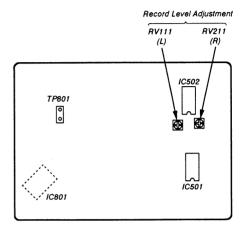
Adjustment Value:

LINE OUT level : -3.8 ± 0.5 dB (0.47 to 0.53V)

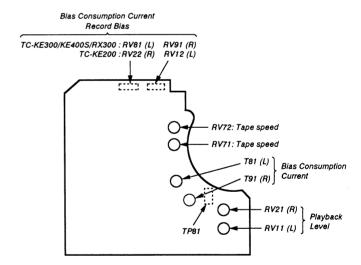
Adjustment Location: MAIN board

- Adjustment Parts Location Diagrams -

[MAIN BOARD]



[AUDIO BOARD]



SECTION 4 EXPLANATION OF IC TERMINALS

IC801 CXP82612-022Q (SYSTEM CONTROL)

Pin No.	Pin name	I/O	Description	
1	STOP SW	I	Mechanism stop switch input terminal.	
2	SIRCS IN	I	SIRCS signal input terminal.	
3	VRSION 2	I	Version selector.	
4	NC		Not used.	
5	NC	T -	Not used.	
6	NC	T	Not used.	
7	MPX ON/OFF	0	MPX filter ON/OFF control terminal. OFF=L	
. 8	CAL ON/OFF	0	Calibration ON/OFF control terminal.	
9	REC CAL 0	I	REC calibration terminal.	
10	REC CAL 1	0	REC calibration terminal.	
11	GP CAL 0	0	GP calibration terminal.	
12	GP CAL 1	I	GP calibration terminal.	
13	LINE MUTE	0	Line mute ON/OFF. 0V=Mute	
14	AMS IN	I	AMS signal input terminal.	
15	NC		Not used.	
16	REC MUTE	0	REC out mute terminal.	
17	REEL -	0	Reel motor - control terminal.	
18	REEL+	0	Reel motor+ control terminal.	
19	BIAS	0	Bias ON/OFF.	
20	RELAY	0	Relay selector terminal.	
21	CAL KEY	I	Calibration ON/OFF switch input terminal.	
22	METER L	I	Meter level L ch.	
23	KEY X	I	Key switch input terminal.	
24	KEY Y	I	Key switch input terminal.	
25	METER R	I	Meter level R ch.	
26	DOLBY AD	I	Dolby OFF/B/C/S select terminal.	
27	HALF	I	Half pawl input terminal.	
28	METAL CHROM	I	Metal, CrO2 tape selector terminal. "H": Metal, CrO2	
29	S. REEL	I	Supply pulse input terminal.	
30	RESET	I	Reset terminal.	
31	XO	0	System clock input terminal.	
32	XI	I	System clock output terminal.	
33	Vss	_	Ground.	
34	BIAS CAL 0	0	Bias calibration terminal.	
35	BIAS CAL 1	0	Bias calibration terminal.	
36	BIAS CAL 2	0	Bias calibration terminal.	
37	BIAS CAL 3	0	Bias calibration terminal.	
38	CAP. M ON/OFF	0	Capstan motor ON/OFF terminal.	
39	OSC H/L	0	OSC H/L control.	
40	OSC ON/OFF	0	OSC ON/OFF control.	

Pin No.	Pin name	I/O	Description
41	BC/S	0	Dolby B, C/S select terminal.
42	DOLCON	0	Dolby B/C control terminal.
43	REC/PB	0	Recording/Playback selector for dolby IC.
44	NC	-	Not used.
45	NC	_	Not used.
46	S1	0	Fluorescent indicator tube segment output.
47	S2	0	Fluorescent indicator tube segment output.
48	S3	0	Fluorescent indicator tube segment output.
49	S4	0	Fluorescent indicator tube segment output.
50	S5	0	Fluorescent indicator tube segment output.
51	S6	0	Fluorescent indicator tube segment output.
52	S7	0	Fluorescent indicator tube segment output.
53	S8	0	Fluorescent indicator tube segment output.
54	S9	0	Fluorescent indicator tube segment output.
55	S10	0	Fluorescent indicator tube segment output.
56	S11	0	Fluorescent indicator tube segment output.
57	S12	0	Fluorescent indicator tube segment output.
58	S13	0	Fluorescent indicator tube segment output.
59	S14	0	Fluorescent indicator tube segment output.
60	S15	0	Fluorescent indicator tube segment output.
61	S16	0	Fluorescent indicator tube segment output.
62	S17	0	Fluorescent indicator tube segment output.
63	. NC	_	Not used.
64	NC		Not used.
65	NC	_	Not used.
66	G5	0	Fluorescent indicator tube grid output.
67	G4	0	Fluorescent indicator tube grid output.
68	G3	0	Fluorescent indicator tube grid output.
69	G2	0	Fluorescent indicator tube grid output.
70	G1	0	Fluorescent indicator tube grid output.
71	V-DISP	_	Fluorescent indicator tube power supply. (- 20V)
72	V _{DD}	_	Power supply. (+5V)
73	NC	_	Not used.
74	NC	_	Not used.
75	V _{DD}	_	Power supply. (+5V)
76	POWER IN	I	0V= Power OFF
77	POWER OUT	0	Power ON/OFF. ON=0V
78	V _{DD}		Power supply. (+5V)
79	TEST MODE	I	Test mode selector. 0V= Test mode
80	VERSION 1	I	Version slector.

SECTION 5 **DIAGRAMS**

• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D131	D - 11	IC511	F - 16
D132	D - 11	IC601	B - 9
D231	D - 11	IC701	G - 10
D232	D - 12	IC801	C - 8
D511	B - 13	IC802	E - 8
D512	B - 13	Q101	B - 14
D513	F - 13	Q102	C - 14
D551	B - 11	Q121	G - 12
D701	H - 8	Q122	D - 13
D702	H - 8	Q201	A - 14
D703	G - 8	Q202	C - 16
D704	G - 8	Q221	G - 12
D705	G - 8	Q222	E - 13
D706	G - 8	Q503	G - 14
D707	G - 8	Q504	G - 14
D708	H-9	Q505	F - 14
D709	H-11	Q511	C - 13
D710	G-9	Q512	C - 13
D711	G-10	Q521	G - 14
D712	F-9	Q531	C - 11
D713	G-7	Q532	C-11
D714	F-9	Q551	B-11
D715	G-10	Q572	F-13
D801	E-8	Q573	D-13
D802	E-8	Q601	C-10
IC501	D - 15	Q701	H - 12
IC502	G - 15	Q702	H - 11
IC503	D - 13	Q703	H - 9
IC504	D - 11	Q704	H - 10
IC505	D - 11	Q705	G - 10
IC506	B - 15	Q706	G-9
IC507	C - 13	Q707	F-9
IC508	B - 10	Q708	F-8
IC509	D - 10	Q803	B-7
IC510	C - 12	Q805	E-8

Note:

- O—: parts extracted from the component side.
- : Pattern from the side which enables seeing. (The other layers' patterns are not indicated)

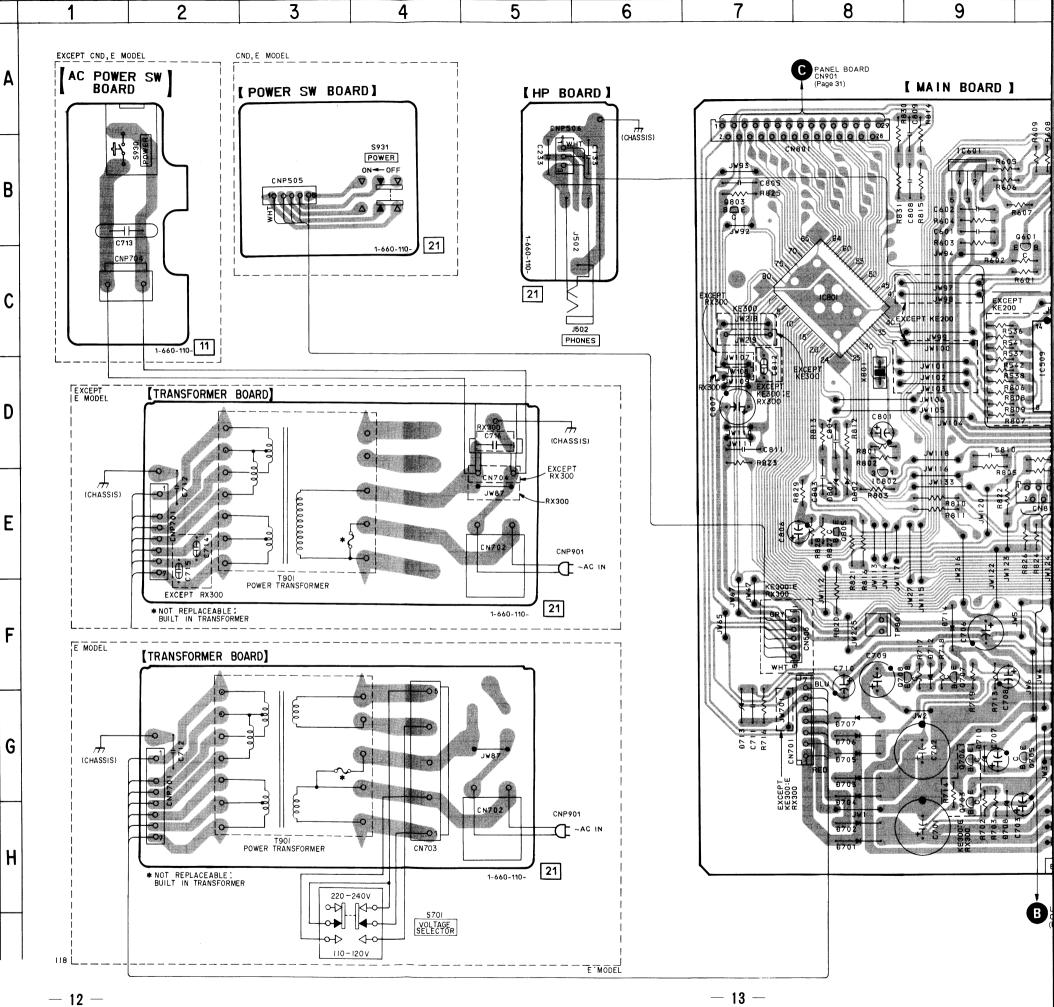
Caution:

Pattern face side: Parts on the pattern face side seen from (Conductor Side) the pattern face are indicated.

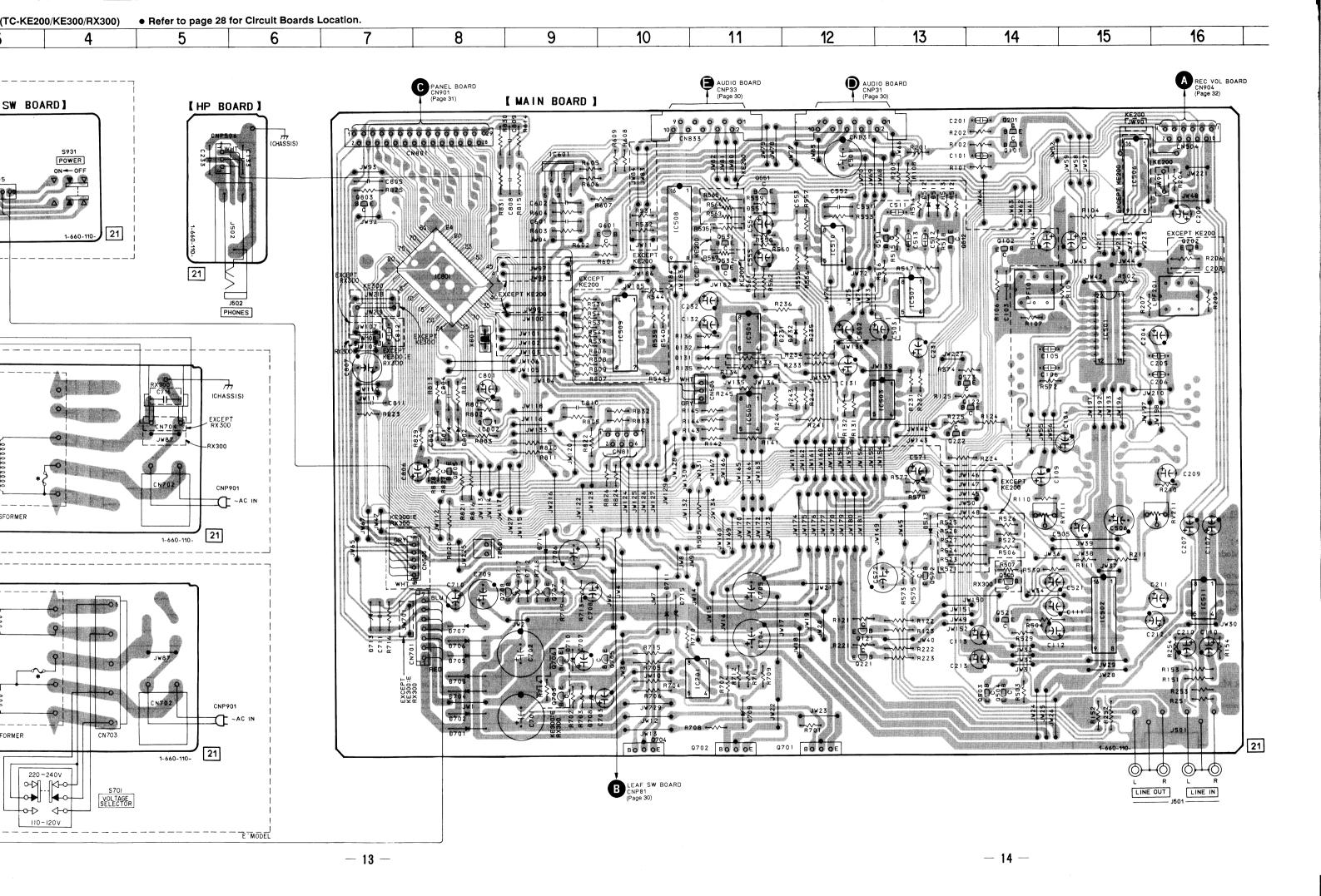
Parts on the parts face side seen from the Parts face side : (Component side) parts face are indicated.

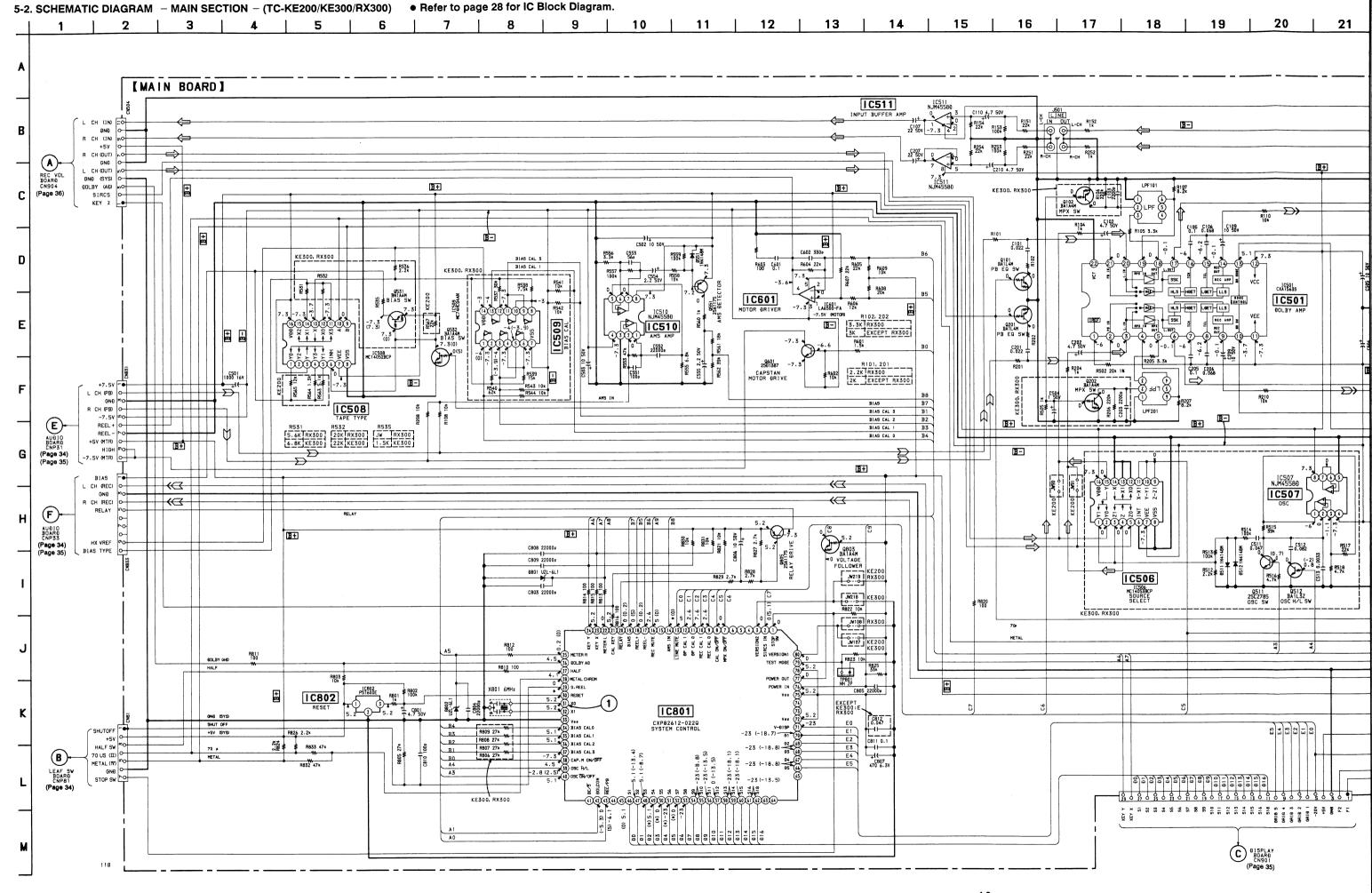
Abbreviation

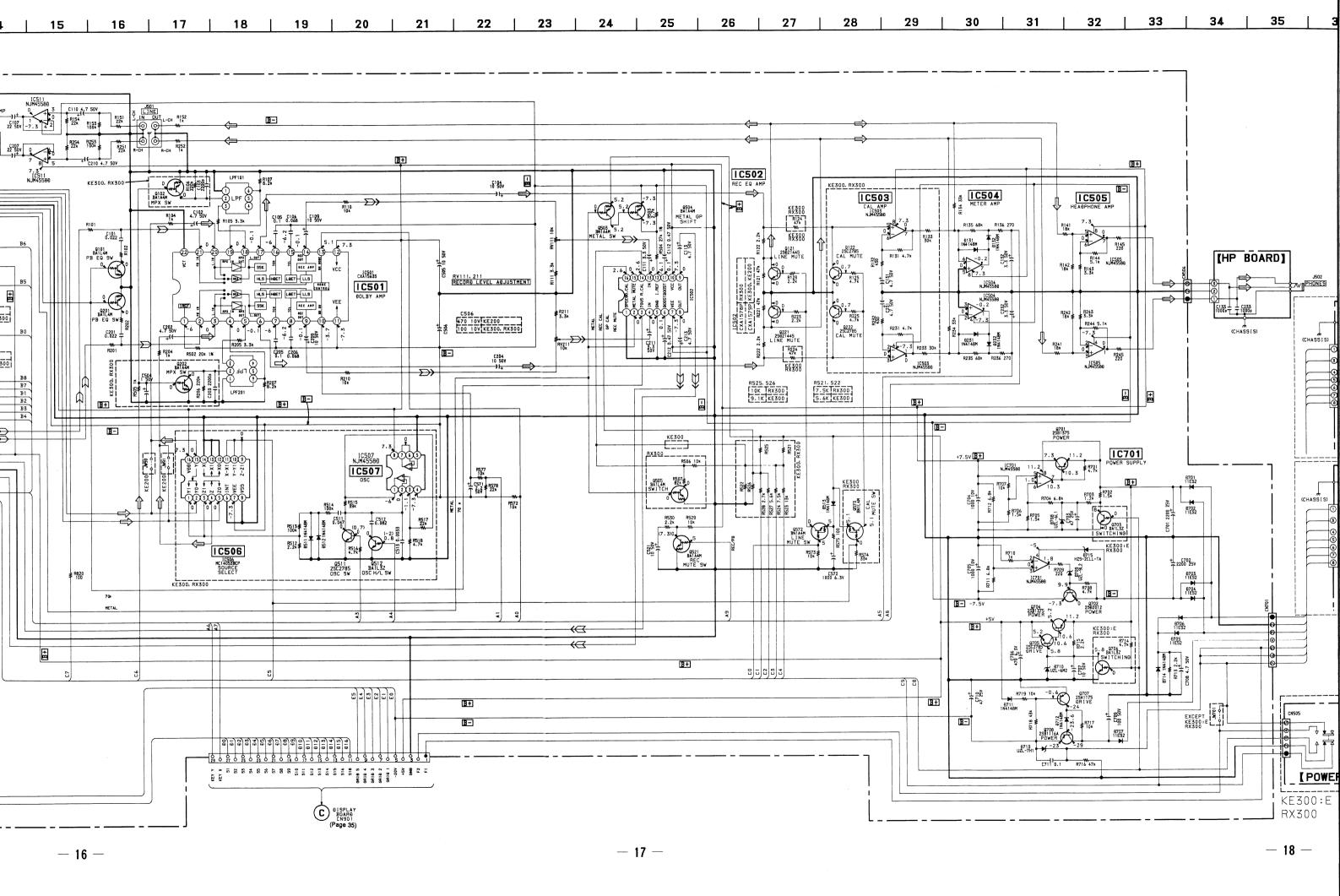
CND : Canadian



5-1. PRINTED WIRING BOARDS - MAIN SECTION - (TC-KE200/KE300/RX300) ● Refer to page 28 for Circuit Boards Location.



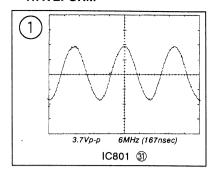




39 32 33 34 35 36 37 | 38 | 40 | 41 27 28 | **29** | 30 31 25 26 24

B+ IC502 KE300, RX300 IC504 IC503 IC505 KE300 RX300 R124 47k W ₩£388 Ð131 1N4148H ► R144 IC505 5.1k NJM45588 [HP BOARD] R142 ≢ ₱ B143 10504 NJM45580 IC504 NJM45580 00,7 R225 4.7k C133 C233 [TRANSFORMER BOARD] R242 R243 18k ≢ \$3.3k 0222 2502785 CAL MUTE A POWER TRANSFORMER (CHASSIS) R224 47k 1C503 NJM4558Đ IC505 NJM45588 AC POWER SW R521, 522 7.5K RX300 5.6K KE300 R525, 526 10K RX300 9.1K KE300 ŧ **B**+ ▲ 16713, N - FF EXCEPT RX300 *:NOT REPLACEABLE: BUILT IN TRANSFORMER KE300 R506 10k I C701 [TRANSFORMER BOARD] KE300:E KE300 RX300 (CHASSIS) 9702 11ES2 13 8 8 8 8 8 2200 25V 8703 11ES2 ► R708 4.7k 8704 11ES2 S701 VOLTAGE SELECTOR **B-** -7.5V 0704 2SB1375 POWER B+ 9705 11ES2 B+ B+ B-POWER C71 0.1 R716 47x [POWER SW BOARD] KE300:E RX300

• WAVEFORM



Note:

- All capacitors are in $\,\mu$ F unless otherwise noted. pF: $\,\mu$ $\,\mu$ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ${\mathcal V}_4W$ or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- [_____ : panel designation.
- **B+** : B+ Line
- **B** : B Line
- adjustment for repair.
- · Voltage and waveforms are dc with respect to ground under no-signal conditions.

no mark : PLAYBACK

(): REC

* : can not be measured.

- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- · Waveforms are taken with a oscilloscope.

Voltage variations may be noted due to normal production tolerances.

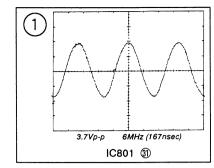
- · Circled numbers refer to waveforms.
- · Signal path.

⇒ : LINE

>> : PB

 Abbreviation CND : Canadian 5-3. SCHEMATIC DIAGRAM - MAIN SECTION - (TC-KE400S)

• WAVEFORM



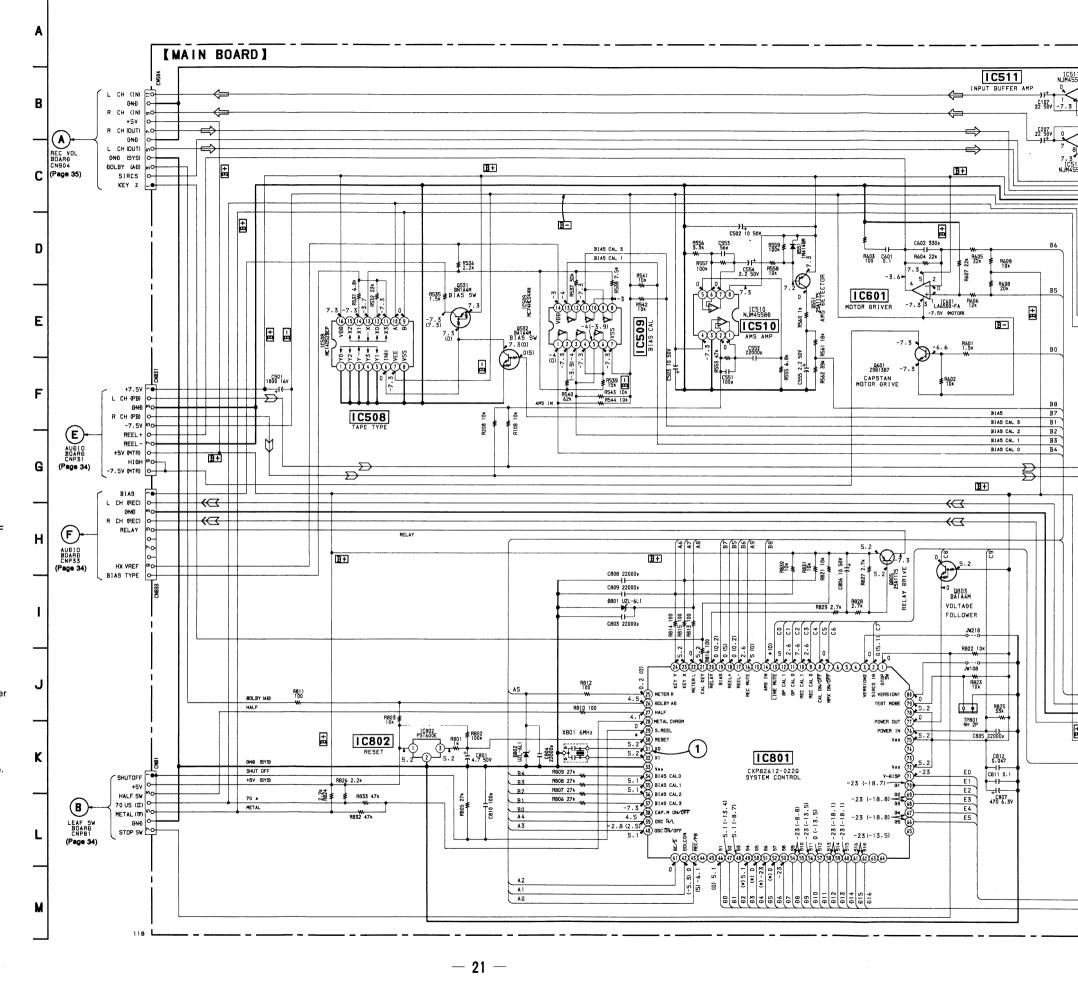
Note:

- All capacitors are in $_{\rm L}$ F unless otherwise noted. pF: $_{\rm L}$ $_{\rm L}$ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1\!\!/4W$ or less unless otherwise specified.
- % : indicates tolerance
- △ : internal component.
- panel designation.
- **B+** : B+ Line
- **B** : B Line
- adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.

no mark : PLAYBACK

- (): REC
- * : can not be measured.
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.

 Voltage variations may be noted due to normal production.
- tolerances.
- Circled numbers refer to waveforms.Signal path.
- ⇒ : LINE
- ∑ : PB
- ∑> : REC



• Refer to page 28 for IC Block Diagram.

8

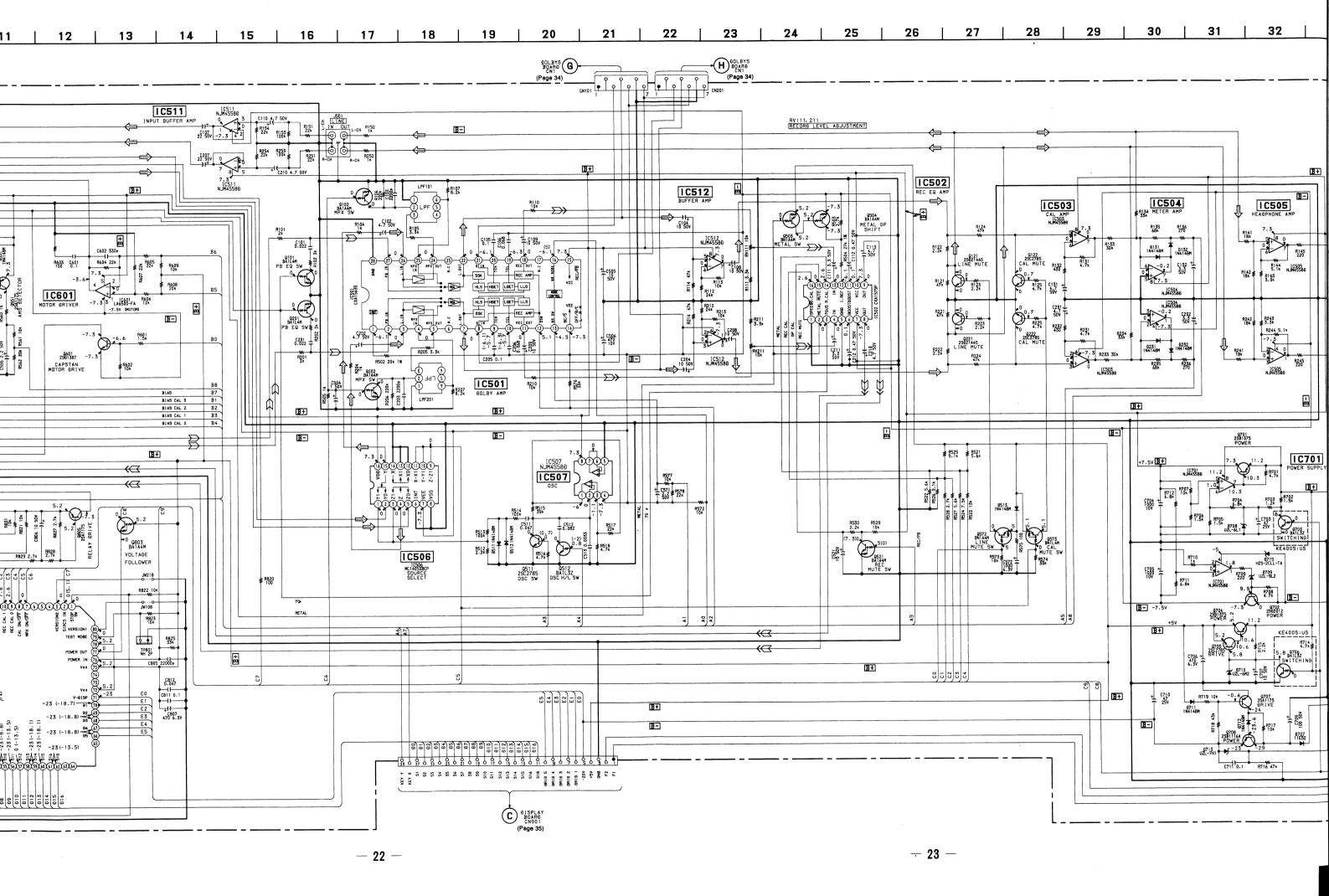
9

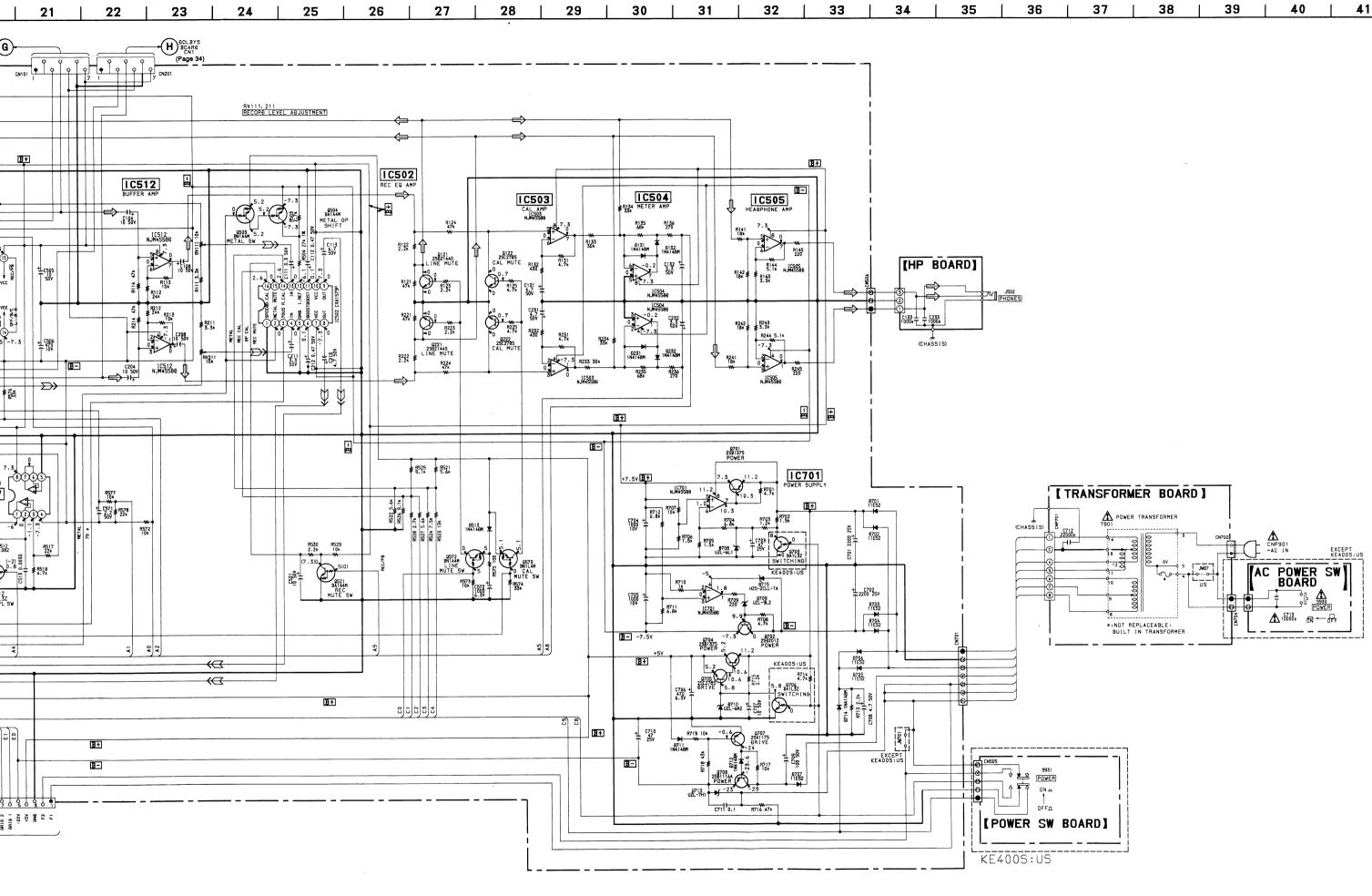
| 10 | 11 | 12 | 13 | 14 | 15 |

IC506

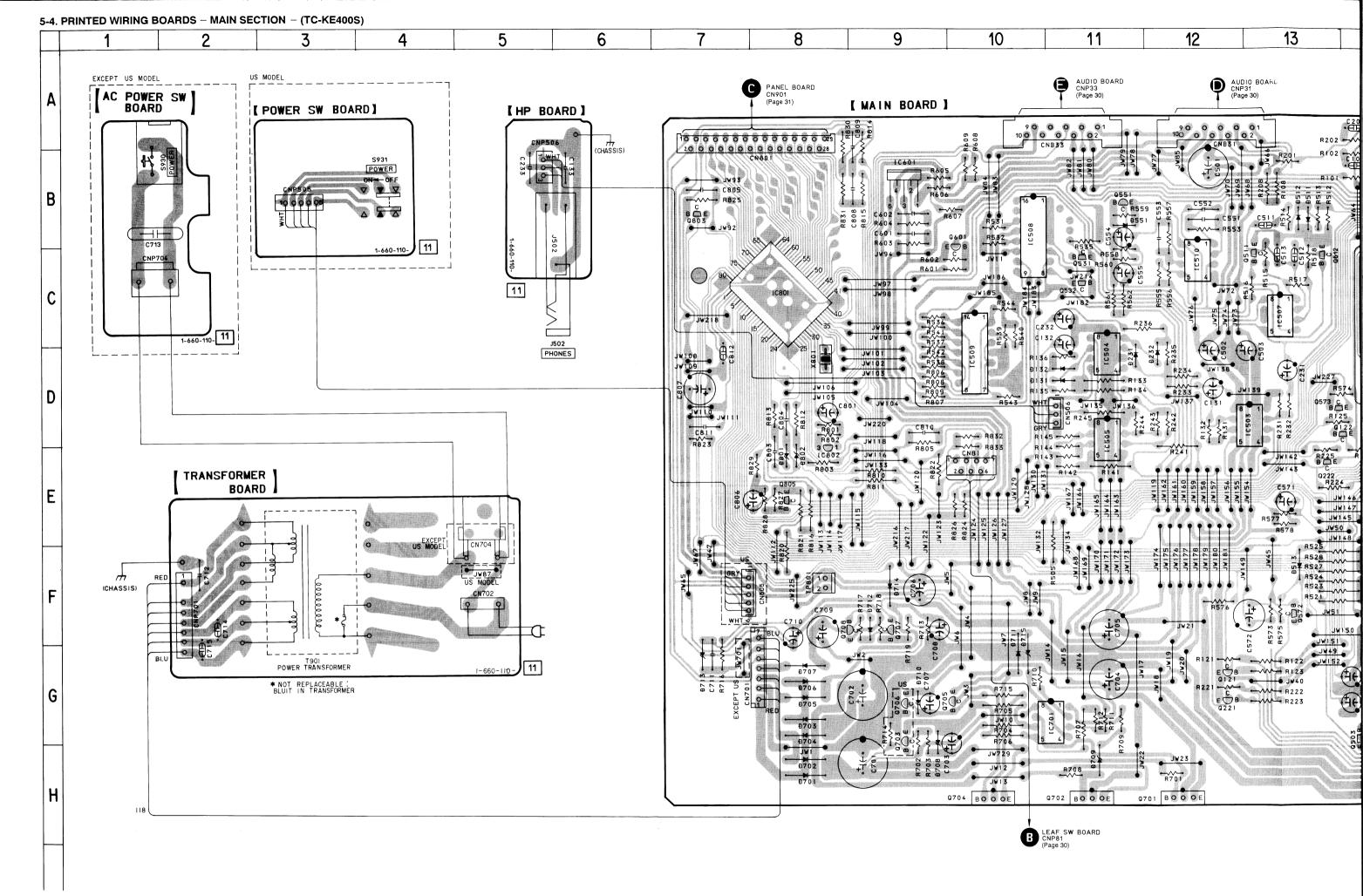
R820

16 | 17 | 1

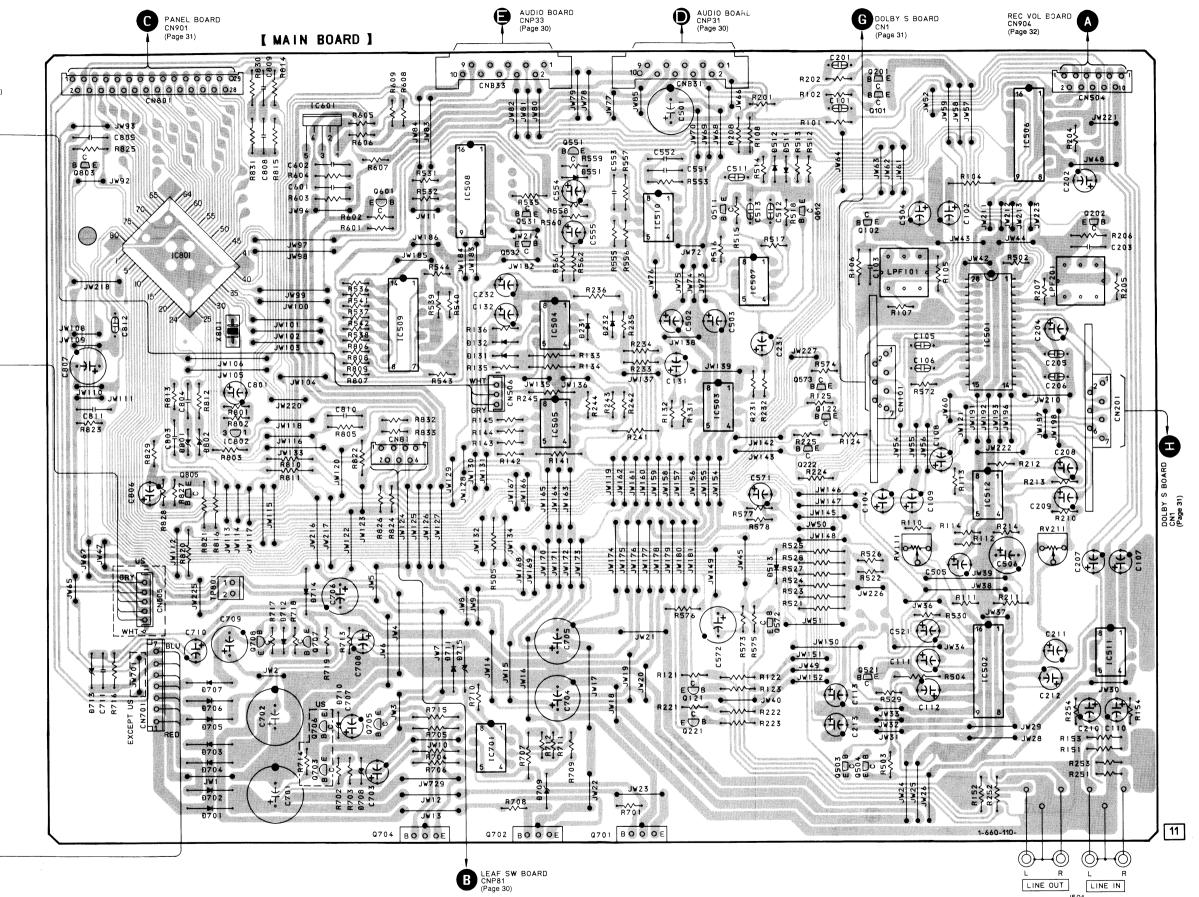




41



7 8 9 10 11 12 13 14 15 16



SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D131	D - 11	IC512	E - 15
D132	D-11	IC601	B-9
D231	D-11	IC701	G-11
D232	D - 12	IC801	C-8
D511	B - 13	IC802	E-8
D512	B - 13		
D513	F13	Q101	B - 14
D551	B - 11	Q102	C - 14
D701	H-8	Q121	G - 12
D702	H-8	Q122	D-13
1		Q201	A - 14
D703	G-8		1
D704	G-8	Q202	C-16
D705	G-8	Q221	G-12
D706	G-8	Q222	E-13
D707	G-8	Q503	G-14
		Q504	G-14
D708	H-9		ŀ
D709	H-11	Q505	
D710	G-9	Q511	C-13
D711	G - 10	Q512	C-13
D712	F-9	Q521	G - 14
1 5.72	' "	Q531	C-11
D713	G-7	400.	~
D714	F-9	Q532	C-11
D715	G - 10	Q551	B-11
D801	E-8	Q572	F-13
D802	E-8	Q572	D-13
1 0002		Q601	B - 10
		Quui	
IC501	D - 15	Q701	H - 12
IC502	G - 15	Q702	H-11
IC503	D-13	Q703	G-9
IC504	D-11	Q704	H-10
IC505	D-11	Q705	G - 10
IC506	B - 15	Q706	G-9
IC507	C - 13	Q707	F-9
IC508	B - 10	Q708	F-8
IC509	D-10	Q803	B-7
IC510	C-12	Q805	E-8
1.5510		4505	
IC511	F-16		

Note:

- O- : parts extracted from the component side.
- \triangle : internal component.
- Pattern from the side which enables seeing.

 (The other layers' patterns are not indicated)

Caution:

Pattern face side: Parts on the pattern face side seen from (Conductor Side) the pattern face are indicated.

Parts face side : Parts on the parts face side seen from the

(Component side) parts face are indicated.

— 27 —

- 26 -

TRANS

5-5. CIRC

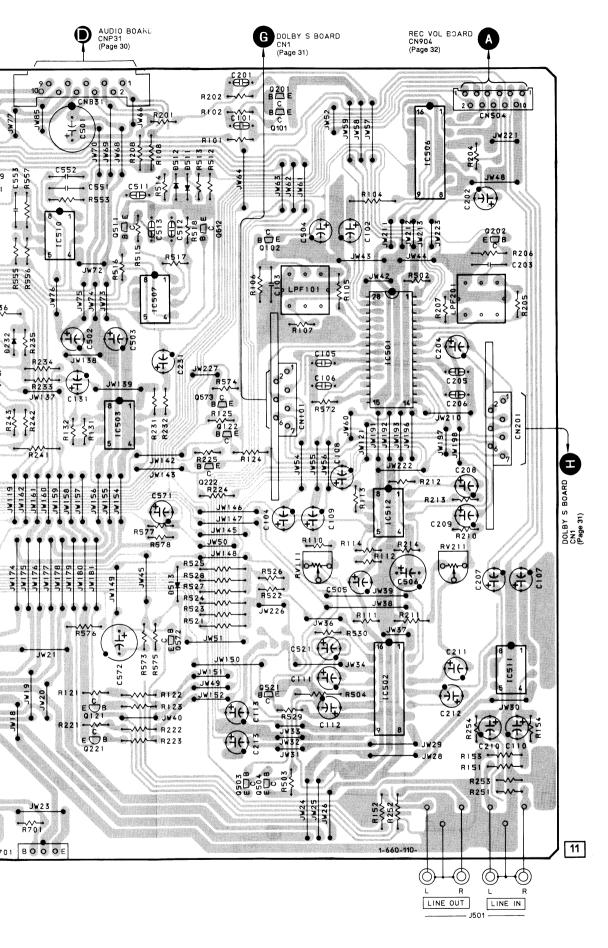
LEAF S

PANEL

AC POWEL (EXCEPT K POWER S (KE300 : E,

> • IC BL IC502 IC502

12 13 14 15 16



• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D131	D - 11	IC512	E - 15
D132	D-11	IC601	B-9
D231	D-11	IC701	G - 11
D232	D - 12	IC801	C-8
D511	B - 13	IC802	E-8
D512	B - 13		
D513	F-13	Q101	B - 14
D551	B-11	Q102	C-14
D701	H-8	Q121	G - 12
D702	H-8	Q122 Q201	D - 13 A - 14
D703	G-8	Q201	A - 14
D704	G-8	Q202	C-16
D705	G-8	Q221	G - 12
D706	G-8	Q222	E-13
D707	G-8	Q503	G - 14
		Q504	G - 14
D708	H-9		
D709	H-11	Q505	
D710	G-9	Q511	C-13
D711	G - 10	Q512	C-13
D712	F-9	Q521	G - 14
		Q531	C-11
D713	G-7		
D714	F-9	Q532	C-11
D715	G - 10	Q551	B-11
D801	E-8	Q572	F-13
D802	E-8	Q573	D-13
		Q601	B - 10
IC501	D - 15	Q701	H - 12
IC502	G - 15	Q702	H-11
IC503	D - 13	Q703	G-9
IC504	D-11	Q704	H - 10
IC505	D-11	Q705	G - 10
IC506	B - 15	Q706	G-9
IC507	C-13	Q707	F-9
IC508	B - 10	Q708	F-8
IC509	D-10	Q803	B-7
IC510	C - 12	Q805	E-8
IC511	F-16		

Note:

- O--- : parts extracted from the component side.
- \triangle : internal component.
- : Pattern from the side which enables seeing.

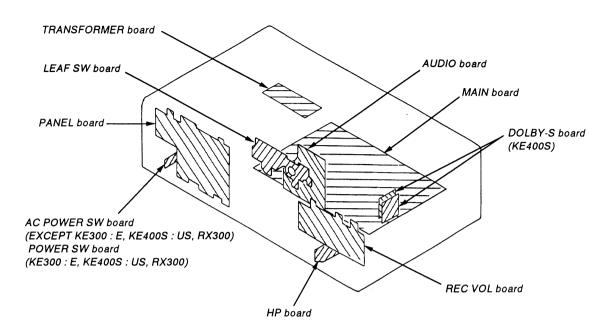
 (The other layers' patterns are not indicated)

Caution:

Pattern face side: Parts on the pattern face side seen from (Conductor Side) the pattern face are indicated.

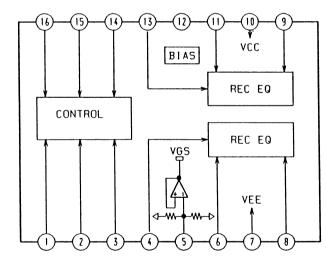
Parts face side: Parts on the parts face side seen from the (Component side) parts face are indicated.

5-5. CIRCUIT BOARDS LOCATION



• IC BLOCK DIAGRAM

IC502 CXA1579P (EXCEPT TC-RX300) IC502 CXA1578P (TC-RX300 only)



5-6. PRINTED WIRING BOARDS - AUDIO SECTION -

• SEMICONDUCTOR LOCATION

LOOATI	
Ref. No.	Location
D31	H - 1
IC1 IC81	I – 2 H – 7 (LEAF SW BOARD)
Q51 Q52 Q53 Q71	H-2 G-2 H-2 H-3

• SEMICONDUCTOR LOCATION

Ref. No.	Location
D31	C - 1
IC1 IC31 IC81 IC81	G - 16 (KE400S) C - 2 B - 3 (AUDIO BOARD) H - 7 (LEAF SW BOARD) B - 23 (KE400S)
IC901	G - 23 (KE200/KE300/RX300)
Q51 Q52 Q53 Q71	B - 2 B - 2 B - 1 C - 3

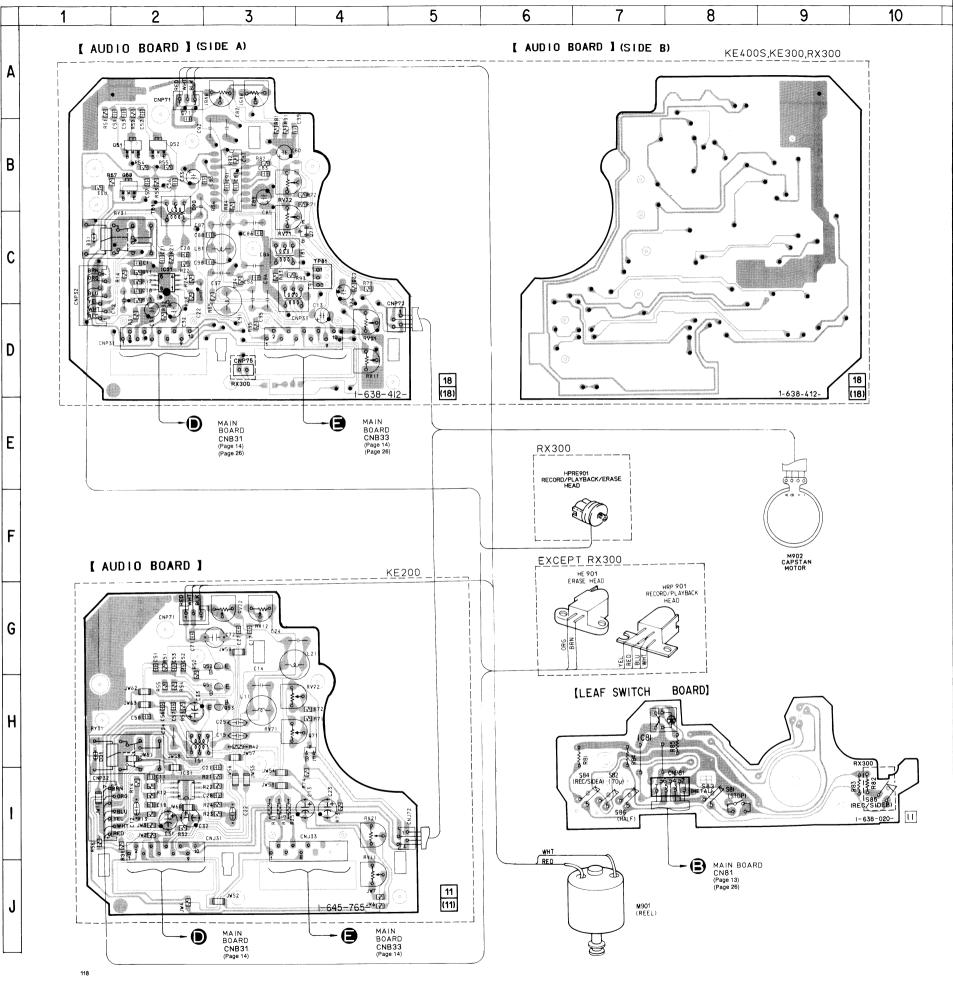
Note:

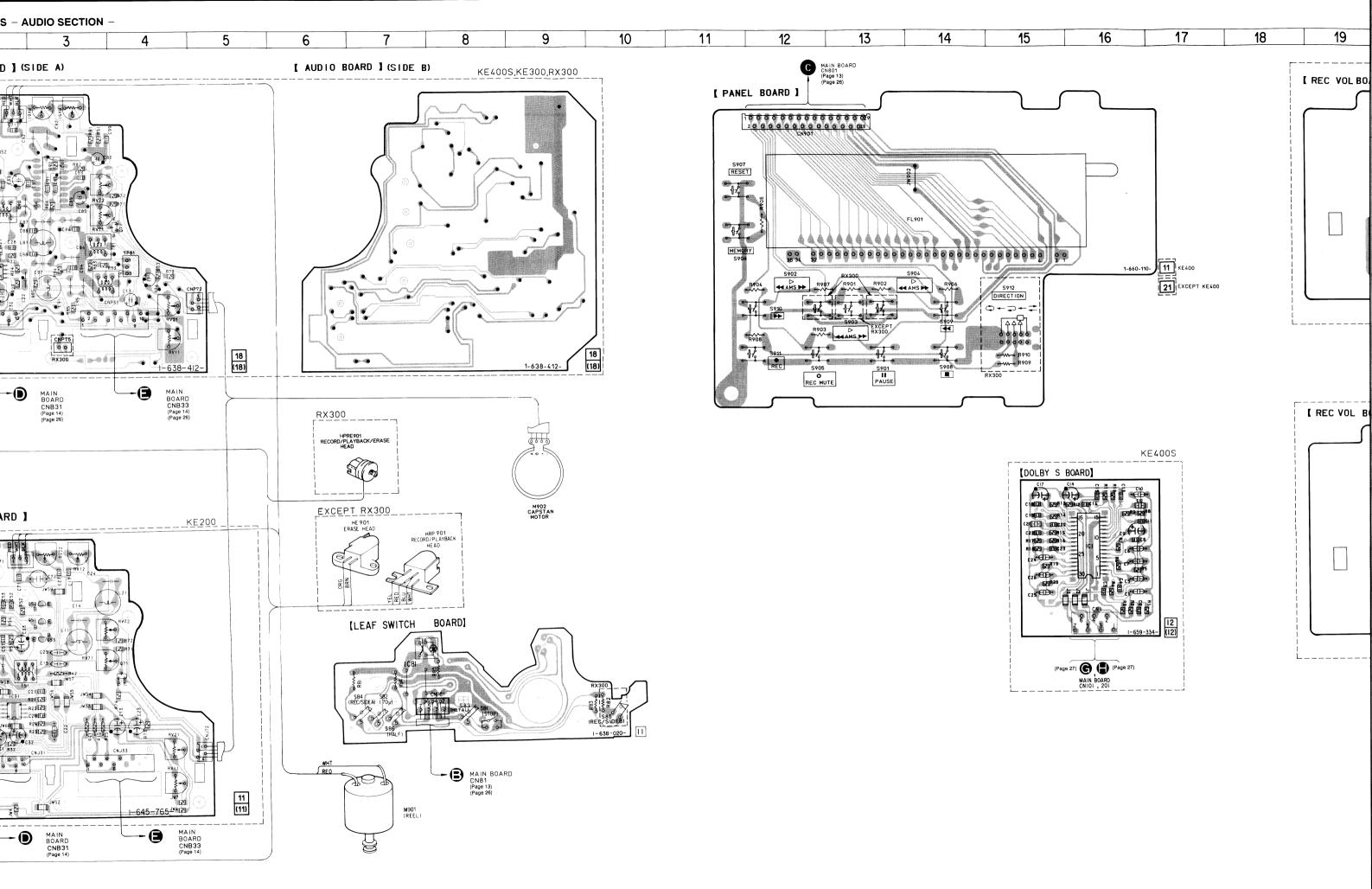
- O— : parts extracted from the component side.
- (2000): Pattern from the side which enables seeing. (The other layers' patterns are not indicated)

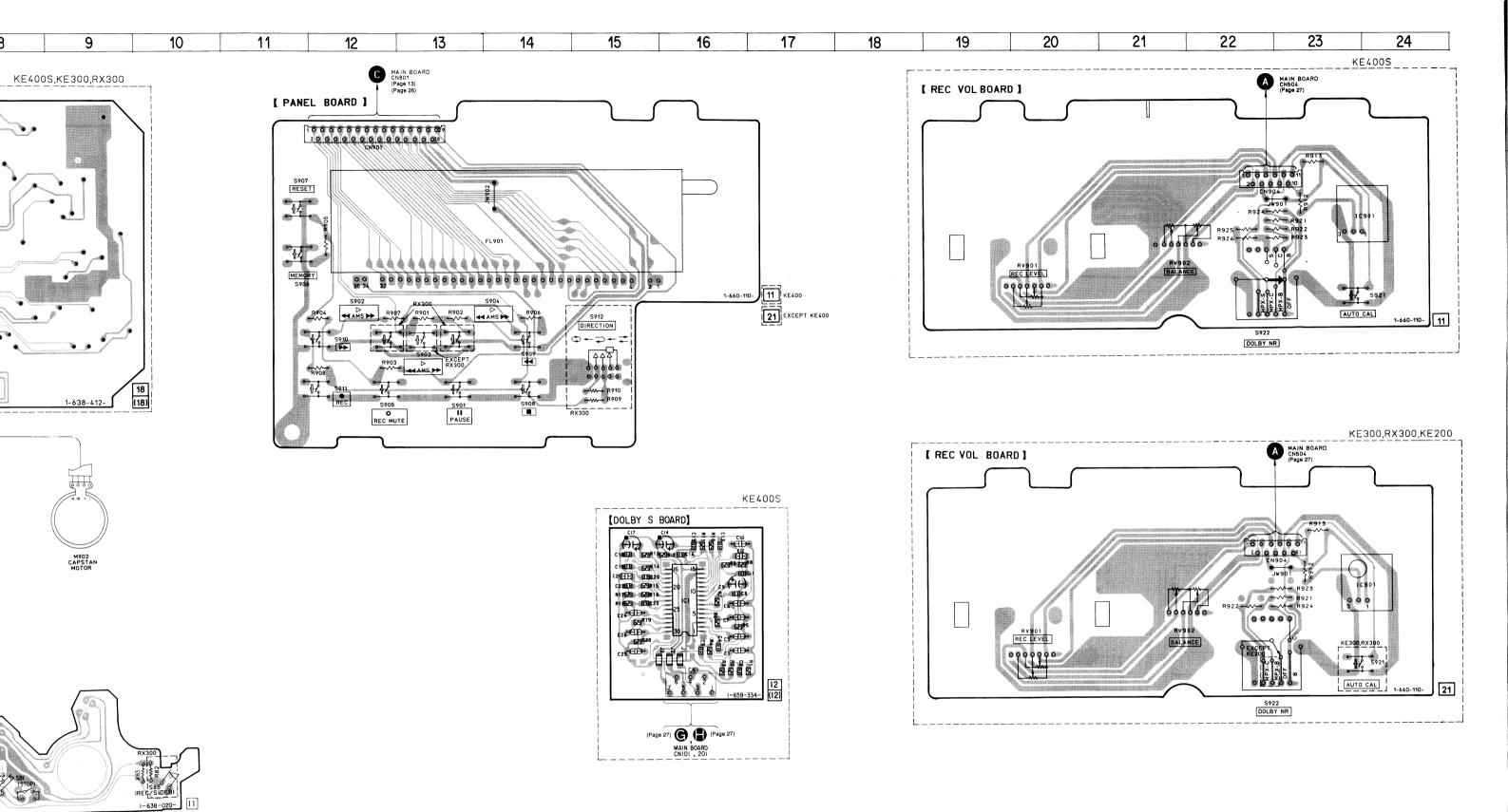
Caution :

(Conductor Side) the pattern face are indicated.

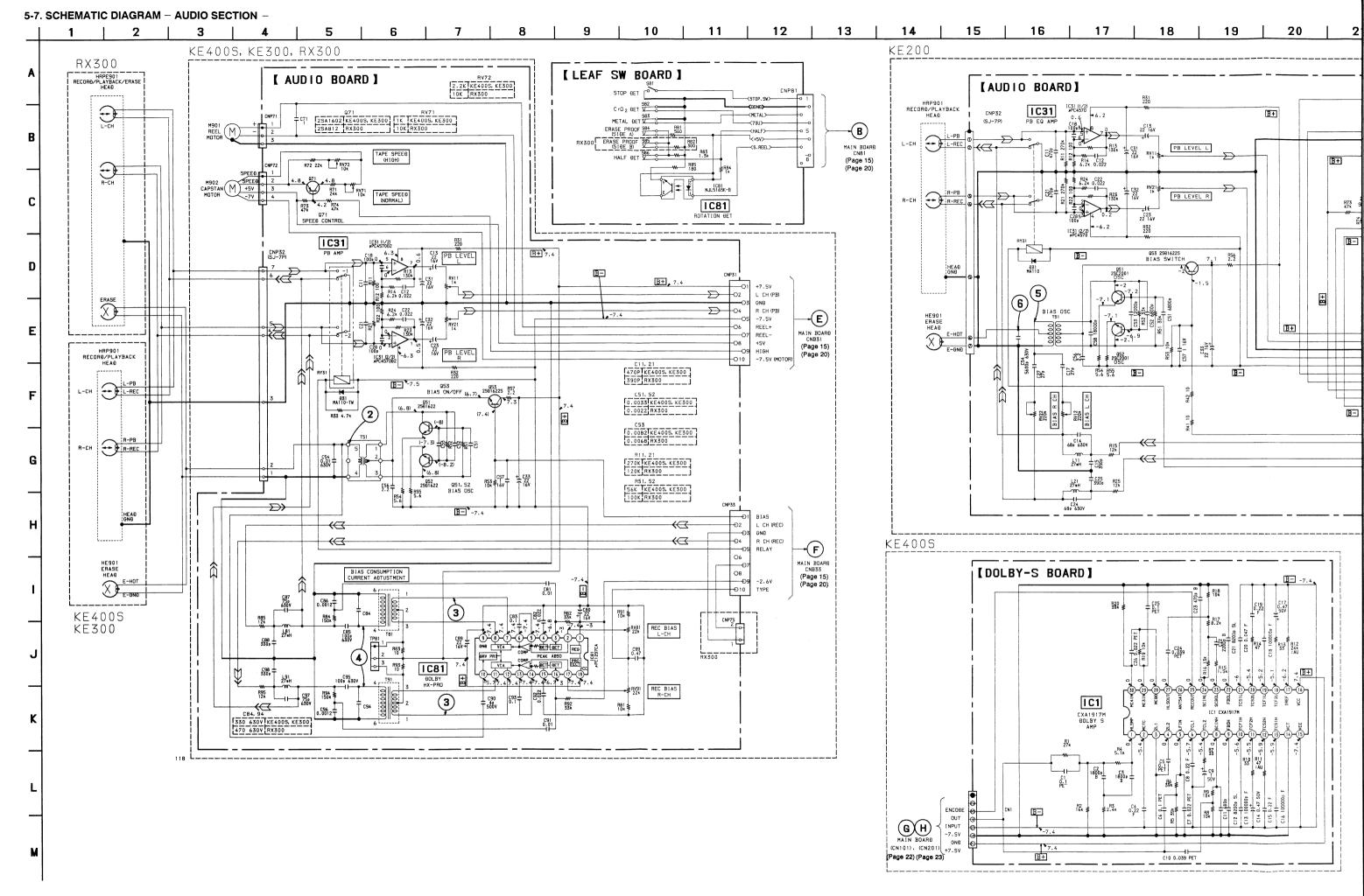
Pattern face side: Parts on the pattern face side seen from Parts face side: Parts on the parts face side seen from the (Component side) parts face are indicated.

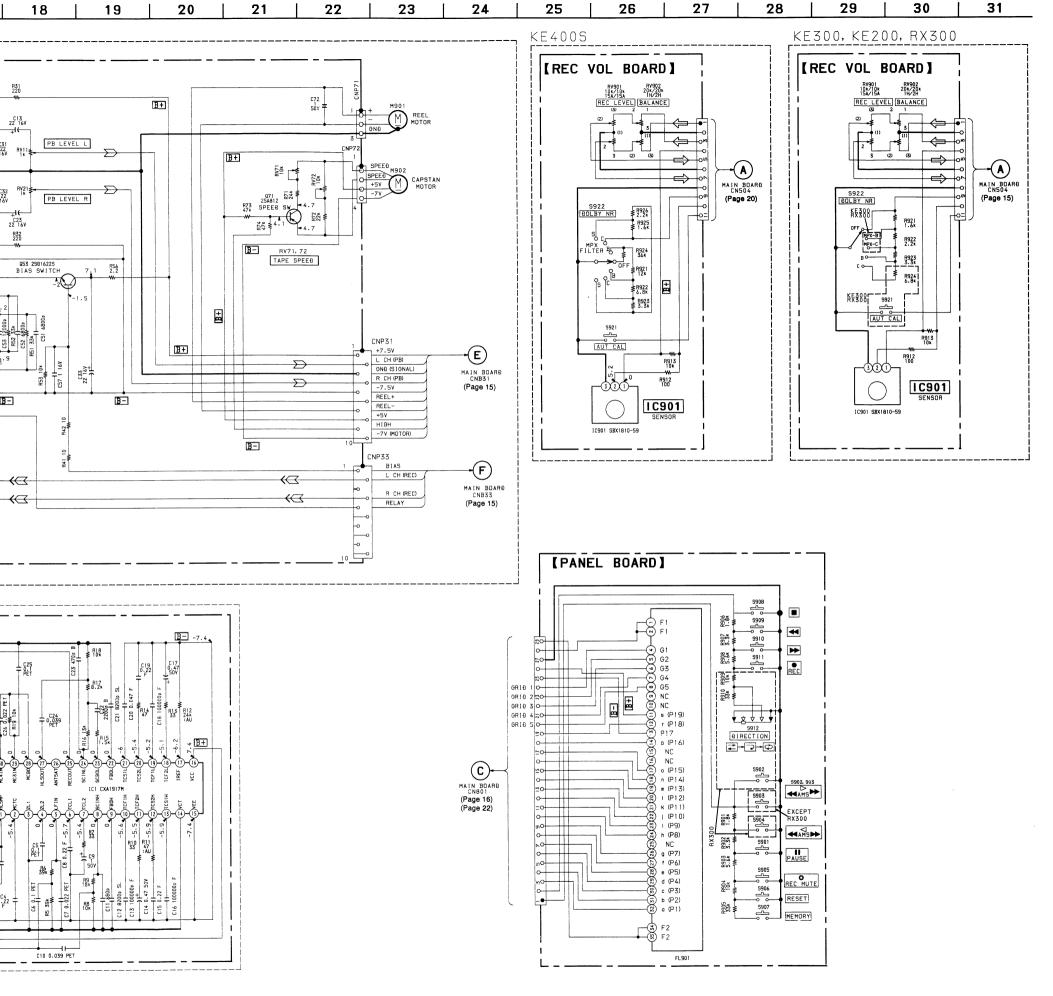




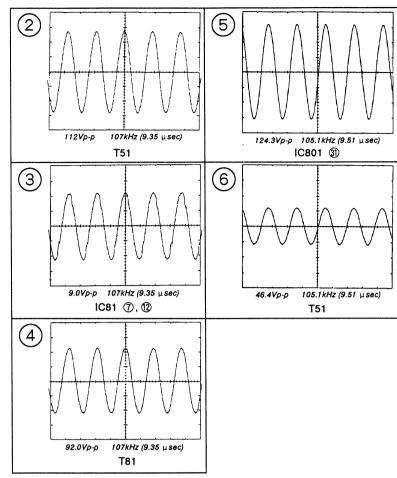


MAIN BOARD CN81 (Page 13) (Page 26)





• WAVEFORMS



Note:

- All capacitors are in $\,\mu$ F unless otherwise noted. pF: $\,\mu$ $\,\mu$ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ${\ensuremath{\mathcal{V}}} W$ or less unless otherwise specified.
- : panel designation.

- **B+** : B+ Line
- **B** : B Line
- · adjustment for repair.
- Voltage and waveforms are dc with respect to ground under possignal conditions
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.

 Voltage variations may be noted due to normal production tolerances.
- · Circled numbers refer to waveforms.
- Signal path.
- ∑ : PB

SECTION 6 EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*"are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

Abbreviation

CND : Canadian SP : Singapore AUS : Australian MY : Malaysia G : German

The components identified by mark △ or dotted line with mark △ are critical for safety.

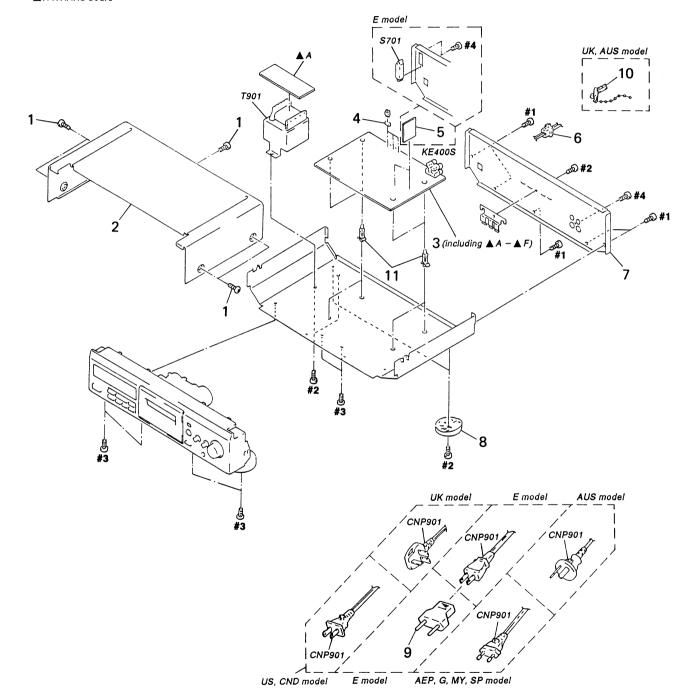
Replace only with part number specified.

Les composants identifiés par une marque \triangle sont critiques pour la

Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. CHASSIS SECTION

▲ A :TRANS board



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-704-366-01	SCREW (CASE) (M3X8)		* 7	3-933-307-01	PANEL, BACK (KE200:AEP.G)	
* 2	3-931-432-01	CASE (410726)		* 7	3-933-307-11	PANEL, BACK (KE200:UK)	
* 3		MAIN BOARD, COMPLETE (KE200)		8	X-4947-207-1	FOOT ASSY (F50150S) (EXCER	T US,CND)
* 3		MAIN BOARD, COMPLETE (KE400S:	EXCEPT US)	8	X-4947-208-1	FOOT ASSY (F50150S) (US,CN	D)
* 3		MAIN BOARD, COMPLETE (KE400S:		 ∆ 9	1-569-007-11	ADAPTER, CONVERSION 2P (E	
* 3	A-2007-526-A	MAIN BOARD, COMPLETE (KE300:E	XCEPT E)	10	4-956-370-12	BAND, PLUG FIXED (UK,AUS)	
* 3		MAIN BOARD, COMPLETE (KE300:E	,	* 11	3-346-265-31	HOLDER, PC BOARD	
* 3		MAIN BOARD, COMPLETE (RX300)	,	△ CNP901	1-558-945-21	CORD, POWER (POLAR.SPT-1) (US,CND)
* 4	3-923-762-11	HOLDER (TR)		△ CNP901	1-575-651-21	CORD, POWER (AEP,G,MY,SP)	
* 5	A-2007-481-A	DOLBY-S BOARD, COMPLETE (KE40	0S)	△ CNP901	1-696-027-11	CORD, POWER (E)	
* 6	3-703-244-00	BUSHING (2104), CORD (EXCEPT U	S,E,CND)	△ CNP901	1-696-586-11	CORD, POWER (UK)	
6	3-703-571-11	BUSHING (S) (4516), CORD (US,E,C	ND)	▲ CNP901	1-696-845-11	CORD, POWER (AUS)	
* 7	3-933-281-01	PANEL, BACK (KE400S:US)	•	▲ CNP901	1-751-523-11	CORD, POWER (UK)	
* 7	3-933-281-11	PANEL, BACK (KE400S:AEP,G)		 ∆ S701	1-570-046-21	SWITCH, VOLTAGE CHANGE (E	Ξ)
* 7	3-933-281-21	PANEL, BACK (KE400S:UK)		1 ∆ T901	1-426-651-11	TRANSFORMER, POWER	
		,				(KE20	0,KE300:EXCEPT E)
* 7	3-933-281-31	PANEL, BACK (KE400S:AUS)		△ T901	1-426-652-11	TRANSFORMER, POWER (KE3	
* 7	3-933-281-41	PANEL, BACK (KE300:AEP,G,MY,SP)		 ▲ T901	1-427-743-11	TRANSFORMER, POWER (RX3	
* 7	3-933-281-51	PANEL, BACK (KE300:AUS)		△ T901	1-427-751-11	TRANSFORMER, POWER (KE4	•
* 7	3-933-281-61	PANEL, BACK (KE300:E)		 ⚠ T901	1-427-752-11	TRANSFORMER, POWER (KE4	00S:US)
* 7	3-933-281-81	PANEL, BACK (RX300)					

6-2. FRONT PANEL SEC

▲ B : PANEL board

▲ C : POWER SW board (

▲ C : POWER SW boar ▲ D : REC VOL board

▲ E : HP board

▲ F : AC POWER SW boa

FL901-

_			
	51	X-3371-687-2	P
	51	X-3371-688-2	P
	51	X-3371-690-2	P
	51	X-3371-694-2	P
	51	X-3371-696-2	P
	52	3-933-300-11	K
	53	3-933-299-01	K
	54	X-3371-691-2	L
	54	X-3371-692-2	L
	54	X-3371-693-2	L
	55	3-931-429-01	В
	56	1-773-287-11	W
*	57	3-377-337-11	Н
	58	4-951-620-01	S
	59	A-4325-164-A	Н
	59	X-3368-119-1	Н
	60	3-354-963-01	D

Ref. No. Part No.

6-2. FRONT PANEL SECTION

▲ B : PANEL board

▲ C : POWER SW board (US, CND, E)

▲ D : REC VOL board

▲ E : HP board

Remark

EPT US,CND)

-1) (US,CND)

200,KE300:EXCEPT E)

E400S:EXCEPT US)

E300:E) X300)

E400S:US)

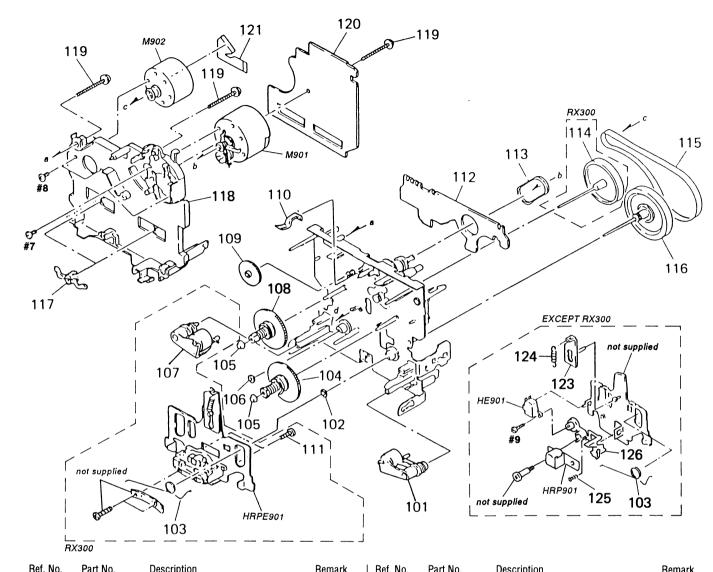
▲ F : AC POWER SW board (EXCEPT US, CND, E)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-3371-687-2	PANEL ASSY, FRONT (KE400S:EXCEP	T US)	61	1-765-318-11	WIRE (FLAT TYPE) (7 CORE)	
51	X-3371-688-2	PANEL ASSY, FRONT (KE300)		* 62	3-354-954-01	LEVER (LOCK LEVER R)	
51	X-3371-690-2	PANEL ASSY, FRONT (KE200)		63	3-354-957-01	JOINT (LOCK LEVER)	
51	X-3371-694-2	PANEL ASSY, FRONT (KE400S:US)		64	3-354-962-01	SPRING (EJ SAFTY SPRING R)	
51	X-3371-696-2	PANEL ASSY, FRONT (RX300)		65	3-354-956-01	LEVER (EJ SAFTY LEVER R)	
52	3-933-300-11	KNOB (REC)		66	3-354-960-01	SPRING (LOADING R), TORSION	
53	3-933-299-01	KNOB (DIA. 12)		67	1-769-947-11	WIRE (FLAT TYPE) (11 CORE)	
54	X-3371-691-2	LID ASSY, CASSETTE (KE400S, KE300)	68	3-937-169-01	SPRING, TENSION	
54	X-3371-692-2	LID ASSY, CASSETTE (RX300)		69	3-933-295-01	BUTTON (EJECT)	
54	X-3371-693-2	LID ASSY, CASSETTE (KE200)		70	4-963-404-21	EMBLEM (5-A), SONY	
55	3-931-429-01	BUTTON (POWER)		71	4-977-593-11	RING (DIA 50), ORNAMENTAL (EXCE	PT US,CND)
56	1-773-287-11	WIRE (FLAT TYPE) (29 CORE)		72	3-308-823-11	DETENT, CASSETTE (KE200,RX300)	
* 57	3-377-337-11	HOLDER (FL)		73	3-933-293-01	BUTTON (FWD) (EXCEPT RX300)	
58	4-951-620-01	SCREW (2.6X8), +BVTP		73	3-933-294-01	BUTTON (REV) (RX300)	
59	A-4325-164-A	HOLDER (R) ASSY, CASSETTE (KE200),RX300)	FL901	1-517-173-11	INDICATOR TUBE, FLUORESCENT	
						(KE200,K	E300,RX300)
59	X-3368-119-1	HOLDER (R) ASSY, CASSETTE (KE300),KE400S)				
60	3-354-963-01	DAMPER		FL901	1-517-374-11	INDICATOR TUBE, FLUORESCENT (K	E400S)

6-3. MECHANISM SECTION 1 TC-KE200: TCM-190VB22CS

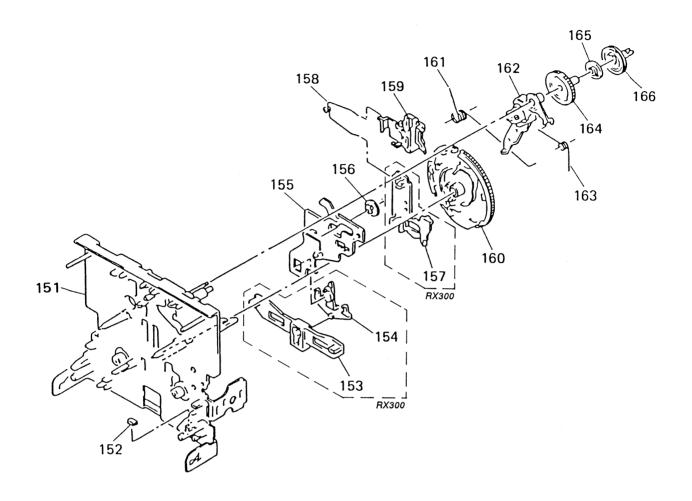
TC-KE300/KE400S: TCM-190VB12CS

TC-RX300: TCM-190RB12C



Het. No.	Part No.	Description	Remark	Re	et. No.	Part No.	Description	Remark	
101	X-3366-047-1	LEVER (PINCH F) ASSY			118	3-359-436-11	BASE (THRUST RETAINER),FITTI N G	
102	3-356-713-01	WASHER			119	3-359-414-01	SCREW (+PTPWH 2X23)	•	
103	3-907-362-01	SPRING, TORSION		*	120	A-2006-890-A	AUDIO BOARD, COMPLETI	E (KE400S,KE300)	
104	X-3366-970-1	TABLE ASSY, REEL		*	120	A-2007-040-A	AUDIO BOARD, COMPLETI	E (RX300)	
105	3-362-308-01	CAP (REEL)		*	120	A-2007-171-A	AUDIO BOARD, COMPLETI	E (KE200)	
106	3-356-714-01	WASHER (RX300)			121	1-638-983-11	MOTOR FLEXIBLE BOARD		
107	X-3366-048-1	LEVER (PINCH R) ASSY (RX300)		*	123	X-3368-865-1	SLIDER (LIMITER) ASSY (EXCEPT RX300)	
108	X-3366-971-1	TABLE ASSY (B), REEL			124	3-363-868-01	SPRING (HEAD CHASSIS),	TENSION	
109	3-359-424-01	GEAR (REV GEAR)						(EXCEPT RX300))
110	3-359-430-01	SPRING(CASSETTE RETAINER), LEAF			125	3-343-484-01	SPRING, COMPRESSION (EXCEPT RX300)	
				*	126	3-359-445-11	HOLDER (1 WAY HEAD)(E)	XCEPT RX300)	
111	3-388-848-01	SCREW (P2X6) (B TIGHT)(RX300)							
* 112	1-638-020-11	LEAF SW BOARD			HE901	1-543-673-11	HEAD, MAGNETIC (ERASE)(EXCEPT RX300)	
113	3-359-466-01	BELT (FR), SQUARE			HRP901	1-543-919-11	HEAD, MAGNETIC (RECORD)/PLAYBACK)	
114	X-3367-630-1	FLYWHEEL (REV) ASSY (RX300)						(EXCEPT RX300))
115	3-359-417-01	BELT (FLAT), CAPSTAN (RX300)			HRPE90	1A-2004-527-A	DECK ASSY, HEAD (RECOF	RD/PLAYBACK/ERASE) (RX300))
115	3-359-467-01	BELT (1 WAY FLAT BELT) (EXCEPT RX	300)		M901	X-3363-501-1	MOTOR ASSY, REEL (REEL)	
116	X-3367-629-1	FLYWHEEL (1WD) ASSY	·		M902	X-3365-377-2	MOTOR ASSY, CAPSTAN (C	CAPSTAN)	
117	3-575-321-00	RETAINER, THRUST, CAPSTAN							

6-4. MECHANISM SECTION 2 TC-KE200: TCM-190VB22CS TC-KE300/KE400S: TCM-190VB12CS TC-RX300: TCM-190RB12C



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	X-3359-415-1	CHASSIS ASSY, MECHANICAL		160	3-359-420-01	GEAR (CAM GEAR)(KE200)	
152	3-359-469-01	SPACER		160	3-936-483-01	GEAR (CAM GEAR)(EXCEPT KE200)	
153	3-359-425-01	SLIDER (REVERSE SLIDER)(RX300)		161	3-359-456-01	SPRING(TRIGGER SPRING), TORSDN	
154	3-359-426-01	LEVER (REVERSE LEVER)(RX300)		162	X-3366-569-1	ARM ASSY, FR	
* 155	3-359-415-01	SLIDER (TRIGGER SLIDER)		163	3-924,187-11	S+RING (FR ARM), TORSION	
156	3-359-448-01	GEAR (TRIGGER)		164	3-359-419-11	GEAR (FR GEAR)	
157	3-359-427-01	SLIDER (LEVERSE SLIDER)(RX300)		165	3-359-421-01	CLUTCH (REEL DISK)	
158	3-359-454-01	SPRING, TORSION		166	3-359-418-01	PULLEY (FR PULLEY)	
159	3-359-429-01	SLIDER (BRAKE PLATE)				· ,	

AUDIO

SECTION 7 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS

All resistors are in ohms METAL: Metal-film resistor

METAL OXIDE : Metal oxide-film resistor

F: nonflammable

• Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these • SEMICONDUCTORS

In each case, $u : \mu$, for example :

 $uA....:\mu$ A.... , $uPA....:\mu$ PA....

 $uPB....: \mu PB...., uPC....: \mu PC....$ uPD....: μ PD....

- CAPACITORS
 - $uF: \mu F$

• COILS

 $uH: \mu H$

Abbreviation

CND : Canadian AUS : Australian G : German

: Malaysia

Singapore

The components identified by mark △ or dotted line with mark △ are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la

sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
*	A-2006-890-A A-2007-040-A	AUDIO BOARD, CO	OMPLETE (K OMPLETE (R	E300,KE4 X300)	400S)	C51	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V (RX300)
*		AUDIO BOARD, CO	OMPLETE (K			C52	1-164-182-11	CERAMIC CHIP	0.0033uF	10%	50V 00,KE400S)
		< CAPACITOR >				C52	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C11	1 160 100 00		470DF	F0/	501/	C52	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	(KE200) 100V
UII	1-163-133-00	CERAMIC CHIP	470PF (KE:	5% 200.KE30	50V 0.KE400S)						(RX300)
C11	1-163-131-00	CERAMIC CHIP	390PF	5%	50V (RX300)	C53	1-163-020-00	CERAMIC CHIP	0.0082uF	10% (KE3)	50V 00,KE400S)
C12 C13	1-136-157-00 1-124-234-00	FILM ELECT	0.022uF 22uF	5% 20%	50V 16V	C53	1-163-022-00	CERAMIC CHIP	0.012uF	10%	50V (KE200)
C14	1-136-272-00	FILM	68PF	5%	630V (KE200)	C53	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V (RX300)
C15	1-102-113-00	CERAMIC	390PF	10%	50V	C54	1-136-601-11	FILM	0.01uF	5% (EVC)	630V EPT KE200)
C17	1-163-237-11		27PF	5%	(KE200) 50V	C54	1-136-560-11	FILM	0.0056uF	5%	630V (KE200)
0.10					(KE200)						(NL200)
C18	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C56	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C21	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C57	1-164-346-11	CERAMIC CHIP	1uF		16V
			(KE	200,KE30	0,KE400S)	C58	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C21	1-163-131-00	CERAMIC CHIP	390PF	5%	50V						(KE200)
					(RX300)	C71	1-164-346-11	CERAMIC CHIP	1uF		16V
					(02:10 titli 0:111	101	(EYCE	PT KE200)
C22	1-136-157-00	FILM	0.022uF	5%	50V	C72	1-109-889-11	FLECT	1uF	20%	50V
C23	1-124-234-00	ELECT	22uF	20%	16V	0.2	1 100 000 11	LLLOT	Tui	20 //	(KE200)
C24	1-136-272-00		68PF	5%	630V						(NE200)
			0011	0,0	(KE200)	C80	1-124-234-00	ELECT	22uF	20%	16V
C25	1-102-113-00	CERAMIC	390PF	10%	50V	000	1-124-204-00	LLLGI	ZZUF		
		02.11.11110	00011	10 70	(KE200)	C81	1-164-232-11	CERAMIC CHIP	0.01uF	(EVO E	EPT KE200) 50V
C27	1-163-237-11	CERAMIC CHIP	27PF	5%	50V	001	1-104-202-11	CENAIVIIC CHIF	0.0146	/EVC E	
	1 100 201 11	OLITAWIO OTIII	2711	J /0	(KE200)	C82	1-136-157-00	EII M	0.000	•	PT KE200)
					(NL200)	002	1-130-137-00	FILIVI	0.022uF	5%	50V
C28	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C83	1 164 004 11	CERAMIC CHIP	0.1	•	PT KE200)
C31	1-124-234-00	ELECT	22uF	20%	16V	000	1-104-004-11	CERAINIC CHIP	0.1uF	10%	25V
C32	1-124-234-00	ELECT	22uF	20%	16V 16V	C84	1 100 400 11	TIL NA	00005		PT KE200)
C33	1-124-234-00	ELECT	22uF	20%	16V	U04	1-136-439-11	FILIVI	330PF	5%	630V
C51	1-164-182-11									(KE3C)	0,KE400S)
551	1-104-102-11	CENAIVIIC CHIP	0.0033uF	10%	50V	004	4 400 470 **	50.14			
				(KE3C	0,KE400S)	C84	1-136-478-11	HILM	470PF	5%	630V
C51	1 100 010 00	OFDAMIO OUUD	0.0000 -	400/	5014						(RX300)
001	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V	C85	1-136-433-11	FILM	100PF	5%	630V
					(KE200)					(EXCE	PT KE200)

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Ref. No.	Part No.	Description		D	emark	Ref. No.	Part No.	Description			Remark
C86		CERAMIC CHIP	0.0012uF	_	50V	JW4	1-216-295-00	METAL CHIP	0	5%	1/10W
				(EXCEP	T KE200)						(KE200)
C87	1-136-273-91	FILM	75PF		630V T KE200)	JW6	1-216-295-00	METAL CHIP	0	5%	1/10W (KE200)
C88	1-163-003-11	CERAMIC CHIP	330PF	10%	50V						
				(EXCEP	T KE200)	JW7	1-216-295-00	METAL CHIP	0	5%	1/10W (KE200)
C89	1-124-234-00	ELECT	22uF	20%	16V	JW52	1-216-296-00	METAL CHIP	0	5%	1/8W
C90	1-107-584-11	CERAMIC	4PF	(EXCEP 0.25PF	T KE200)	JW53	1-216-296-00	METAL CHIP	0	5%	(KE200) 1/8W
	1 107 304 11	CETANIO	711	(EXCEP	T KE200)						(KE200)
C91	1-164-232-11	CERAMIC CHIP	0.01uF		50V T KE200)	JW54	1-216-296-00	METAL CHIP	0	5%	1/8W (KE200)
C92	1-136-157-00	FILM	0.022uF	5%	50V	JW55	1-216-296-00	METAL CHIP	0	5%	1/8W
C93	1-164-004-11	CERAMIC CHIP	0.1uF	(EXCEP	T KE200) 25V						(KE200)
000	1 104 004 11	OLIVATIO OTILI	0.141		PT KE200)	JW56	1-216-296-00	METAL CHIP	0	5%	1/8 W
C94	1-136-439-11	FILM	330PF	5%	630V	JW57	1-216-296-00	METAL CHIP	0	5%	(KE200) 1/8W
				(KE300	,KE400S)						(KE200)
C94	1-136-478-11	FILM	470PF	5%	630V (RX300)	JW58	1-216-296-00	METAL CHIP	0	5%	1/8W (KE200)
C95	1-136-433-11	FILM	100PF	5%	630V	JW59	1-216-296-00	METAL CHIP	0	5%	1/8W
C96	1-163-143-00	CERAMIC CHIP	0.0012uF	(EXCEF 5%	PT KE200) 50V	JW60	1-216-296-00	METAL CHIP	0	5%	(KE200) 1/8W
				(EXCEF	PT KE200)				•	• • • • • • • • • • • • • • • • • • • •	(KE200)
C97	1-136-273-91	FILM	75PF	5% (FXCFF	630V PT KE200)	JW61	1-216-296-00	METAL CHIP	0	5%	1/8W
				`	,						(KE200)
C98	1-163-003-11	CERAMIC CHIP	330PF	10% (EXCER	50V PT KE200)	JW62	1-216-296-00	METAL CHIP	0	5%	1/8W (KE200)
C99	1-164-005-11	CERAMIC CHIP	0.47uF	·	25V	JW63	1-216-296-00	METAL CHIP	0	5%	1/8W
				(EXCEF	PT KE200)						(KE200)
		< CONNECTOR >						< COIL >			
* CNP31	1-580-782-11	CONNECTOR, BOX	ARD TO BOA	RD		L11	1-410-780-11	INDUCTOR	27mH (KE	200)	
* CNP32	1-580-781-11	PIN, CONNECTOR	(PC BOARD) 7P		L21	1-410-780-11	INDUCTOR	27mH (KE	200)	
* CNP33	1-580-782-11	CONNECTOR, BO				L81	1-410-780-11	INDUCTOR	27mH (EX		,
* CNP71 CNP72	1-564-719-11 1-764-902-11	PIN, CONNECTOR CONNECTOR, FFC		PE) 3P		L91	1-410-780-11	INDUCTOR	27mH (EX	CEPIN	E200)
* CND75	1 504 710 11	DIN CONNECTOR	CAAALL TV	יחר) אם יחי	V200)			< TRANSISTOR	? >		
* CNP75	1-304-/18-11	PIN, CONNECTOR	(SIVIALL IT	PE) 2P (K.	X300)	Q51	8-729-822-05	TRANSISTOR	2SD1622-ST-1	D(EXC	EPT KE200)
		< DIODE >				Q51 Q52		TRANSISTOR TRANSISTOR			EDT VESOON
D31	8-719-404-46	DIODE MA110				Q52		TRANSISTOR			EFT KEZUU)
		< IC >				Q53	8-729-822-05	TRANSISTOR	2SD1622-ST-1	D(E)C	EPT KE200)
		< 10 >				Q53	8-729-111-29	TRANSISTOR	2SD1616A-K (KE200)	
IC31	8-759-106-02					Q71	8-729-602-36	TRANSISTOR	2SA1602-F (K	E300 ,KE	
IC81	8-759-106-56	IC uPC1297CA (EXCEPT KE2	(00)		Q71	8-729-216-22	TRANSISTOR	2SA1162-G (K	(E200 _/ R2	× 300)
		< JUMPER RESIS	TOR >					< RESISTOR >			
JW1	1-216-296-00	METAL CHIP	0	5%	1/8W	R11	1-216-107-00	METAL CHIP	270K	5%	1/10W
					(KE200)					(EXC	CEPT RX300)
JW2	1-216-295-00	METAL CHIP	0	5%	1/10W (KE200)	R11	1-216-099-00	METAL CHIP	120K	5%	1/10W (RX30 O)
JW3	1-216-295-00	METAL CHIP	0	5%	1/10W	R12		METAL GLAZE	100	5%	1/10W
					(KE200)	R13		METAL GLAZE METAL CHIP	130K	5% 5%	1/10W
						R14	1-210-008-00	IVIE IAL UNIP	6.2K	5%	1/10W

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description		Remark
R15	1-249-430-11	CARBON	12K	5%	1/4W	R85	1-216-075-00	METAL CHIP	12K	5% 1/10W
D04	1 040 407 00	115711 01115			(KE200)					(EXCEPT KE200)
R21	1-216-107-00	METAL CHIP	270K	5% (EXCE	1/10W PT RX300)	R91	1-216-073-00	METAL CHIP	10K	5% 1/10W
R21	1-216-099-00	METAL CHIP	120K	5%	1/10W (RX300)	R92	1-216-085-00	METAL CHID	2214	(EXCEPT KE200)
R22	1-216-025-91	METAL GLAZE	100	5%	1/10W	n92	1-210-065-00	METAL CHIP	33K	5% 1/10W (EXCEPT KE200)
R23	1-216-100-00	METAL GLAZE	130K	5%	1/10W	R93	1-216-001-00	METAL CHIP	10	5% 1/10W (EXCEPT KE200)
R24	1-216-068-00		6.2K	5%	1/10W	R94	1-216-101-00	METAL CHIP	150K	5% 1/10W
R25	1-249-430-11	CARBON	12K	5%	1/4W (KE200)	R95	1-216-075-00	METAL CHIP	12K	(EXCEPT KE200) 5% 1/10W
R31	1-216-033-00		220	5%	1/10W				1210	(EXCEPT KE200)
R32	1-216-033-00	METAL CHIP	220	5%	1/10W					,
R33	1-216-065-00	METAL CHIP	4.7K	5% (EXCE	1/10W PT KE200)			< VARIABLE RESIS	STOR >	
					,	RV11	1-241-761-11	RES, ADJ, CARBOI	N 1K (PB LE	VEL L)
R41	1-249-393-11	CARBON	10	5%	1/4W	RV12	1-238-551-11	RES, ADJ, CARBOI	V 220K (BIA	S L) (KE200)
R42	1 040 000 44	CADDON	40	5 0/	(KE200)	RV21	1-241-761-11	RES, ADJ, CARBO	N 1K (PB LE	VEL R)
N42	1-249-393-11	CARBON	10	5%	1/4W	DVOO	1 000 551 44	DEC 401 04000		(KE200,RX300)
R51	1-216-091-00	METAL CHIP	56K	5%	(KE200) 1/10W	RV22 RV71	1-238-551-11 1-241-630-11	RES, ADJ, CARBOI	N 220K (BIA	S R) (KE200)
	. 210 001 00	WIE I'VE O'III	3010		0,KE400S)	11.071	1-241-030-11	RES, ADJ, CARBOI	N TUK (TAPE	(KE200,RX300)
R51	1-216-085-00	METAL CHIP	33K	5%	1/10W					(NE200,NX300)
					(KE200)	RV71	1-241-761-11	RES, ADJ, CARBON	N 1K (TAPE S	SPEED L)
R51	1-216-097-91	METAL GLAZE	100K	5%	1/10W				`	(KE300,KE400S)
					(RX300)	RV72	1-241-630-11	RES, ADJ, CARBON	N 10K (TAPE	
R52	1-216-091-00	METAL CHIP	56K	5%	1/10W	RV72	1-241-762-11	RES, ADJ, CARBON	.I O OK /TADE	(KE200,RX300)
			OOK		0,KE400S)	11172	1-241-702-11	nes, ADJ, CANDU	1 2.2K (TAPE	(KE300,KE400S)
R52	1-216-085-00	METAL CHIP	33K	5%	1/10W	RV81	1-241-786-11	RES, ADJ, CARBON	V 22K (REC E	
DEO	4 040 000 0				(KE200)				·	(EXCEPT KE200)
R52	1-216-097-91	METAL GLAZE	100K	5%	1/10W	RV91	1-241-786-11	RES, ADJ, CARBON	1 22K (REC E	,
R53	1-216-073-00	METAL CHIP	10K	5%	(RX300) 1/10W					(EXCEPT KE200)
R54	1-216-309-00	METAL CHIP	5.6	5%	1/10W			< RELAY >		
R55	1-216-309-00	METAL CHIP	5.6	5%	1/10W	RY31	1-515-913-11	RELAY		
R56	1-216-298-00	METAL CHIP	2.2	5%	1/10W					
R57	1-216-298-00	METAL CHIP	2.2	5%	(KE200) 1/10W			< TRANSFORMER :	>	
		WEINE OIM			PT KE200)	T51	1-433-383-11	TRANSFORMER, B	ا ۱۱۸۵ معرال ۱	TION
R71	1-216-025-91	METAL GLAZE	100	5%	1/10W		. 100 000 11	THURST OTHER, D	ING GOOTELF	(KE3O0,KE400S)
D74					0,KE400S)	T51	1-426-650-11	TRANSFORMER, B	AS OSCILLA	
R71	1-216-082-00	METAL GLAZE	24K	5%	1/10W	T51	1-406-417-11	COIL, BIAS OSCILL	ATION (RX3	00)
				(KE2	00,RX300)	T81	1-433-398-11	TRANSFORMER, BI	AS OSCILLA	
R72	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	T81	1-433-381-11	TDANICEODMED DI	AC 00011 A	(KE3O0,KE400S)
			1.010		0,KE400S)	101	1-433-301-11	TRANSFORMER, BI	AS USCILLA	110H(HX300)
R72	1-216-081-00	METAL CHIP	22K	5%	1/10W	T91	1-433-398-11	TRANSFORMER, BI	AS OSCILLA	TOR
070				(KE2	00,RX300)				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(KE3O0, KE400S)
R73 R74	1-216-089-91	METAL GLAZE	47K	5%	1/10W	T91	1-433-381-11	TRANSFORMER, BI	AS OSCILLA	TOR(RX300)
R81	1-216-089-91 1-216-073-00	METAL GLAZE	47K	5%	1/10W					
1101	1-210-073-00	METAL CHIP	10K	5% (EXCE	1/10W PT KE200)			< TEST PIN >		
				LLAUE	NL200)	* TP81	1-568-449-11	HOUSING, CONNEC	TOR/PC RO	ARDIRD
R82	1-216-085-00	METAL CHIP	33K	5%	1/10W	•.	. 555 110 11		יטם ט ווויטיי	(EXCEPT KE200)
R83	1 040 001 00	METAL OW-	4.0		PT KE200)	******	*******	*********	******	
1100	1-216-001-00	METAL CHIP	10	5%	1/10W					
R84	1-216-101-00	METAL CHIP	150K	(EXCE 5%	PT KE200) 1/10W					
	. 210 101-00	WEINE VIIIF	IJUN		PT KE200)					
				,2,,02						

DOLBY-S (KE400S) LEAF SW

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
*	A-2007-481-A	DOLBY-S BOARD,	COMPLETE (KE400S)	R8	1-208-462-41	METAL GLAZE	10K	2%	1/10W
	112001 10171	********		(,	R9	1-208-812-11	METAL GLAZE	18K	2%	1/10W
						R10	1-216-615-11	METAL CHIP	33	0.5%	1/10W
		< CAPACITOR >									
						R11	1-216-619-11	METAL CHIP	47	0.5%	1/10W
C1	1-136-165-00	FILM	0.1uF	5%	50V	R12	1-216-684-11	METAL CHIP	24K	0.5%	1/10W
C2		CERAMIC CHIP	0.0018uF	10%	50V	R13	1-216-615-11	METAL CHIP	33	0.5%	1/10W
C3		CERAMIC CHIP	0.0018uF	10%	50V	R14	1-216-619-11	METAL CHIP	47	0.5%	1/10W
C4		CERAMIC CHIP	0.22uF		25V	R15	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
C5	1-136-165-00		0.1uF	5%	50V						
						R16	1-216-678-11	METAL CHIP	13K	0.5%	1/10W
C6	1-136-165-00	FILM	0.1uF	5%	50V	R17	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
C7	1-137-372-11		0.022uF	5%	50V	R18	1-208-462-41		10K	2%	1/10W
C8		CERAMIC CHIP	0.22uF		25V	R19	1-208-462-41	METAL GLAZE	10K	2%	1/10W
C9	1-126-301-11	ELECT	1uF	20%	50V	R20	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
C10	1-137-442-11	FILM	0.039uF	5%	50V						
						*******	*********	******	******	******	*****
C11	1-163-007-11	CERAMIC CHIP	680PF	10%	50V						
C12	1-164-717-11	CERAMIC CHIP	0.0082uF	5%	50V	*	1-638-020-11	LEAF SW BOARD			
C13	1-163-038-91		0.1uF		25V			******			
C14	1-124-465-00	ELECT	0.47uF	20%	50V						
C15		CERAMIC CHIP	0.22uF		25V			< CONNECTOR >			
C16	1-163-038-91	CERAMIC CHIP	0.1uF		25V	* CNP81	1-568-850-11	SOCKET, CONNEC	CTOR 7P		
C17	1-124-465-00		0.47uF	20%	50V	CNP81	1-695-368-31	PIN, CONNECTOR	R (PC BOAF	RD) 7P	
C18		CERAMIC CHIP	0.1uF		25V			,		,	
C19	1-164-222-11		0.22uF		25V			< IC >			
C20		CERAMIC CHIP	0.047uF		50V						
						IC81	8-749-924-10	IC (PHONT REF	ECTOR NJ	L5165K-B	(H1))
C21	1-164-717-11	CERAMIC CHIP	0.0082uF	5%	50V						
C22	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V	İ		< RESISTOR >			
C23	1-163-005-11	CERAMIC CHIP	470PF	10%	50V						
C24	1-137-442-11	FILM	0.039uF	5%	50V	R81	1-249-414-11	CARBON	560	5%	1/4 W
C25	1-136-165-00	FILM	0.1uF	5%	50V	R82	1-247-818-11	CARBON	300	5%	1/4 W
											(RX300)
C26	1-137-372-11		0.022uF	5%	5 0V	R83	1-247-834-11		1.3K	5%	1/4 W
C28	1-163-038-91	CERAMIC CHIP	0.1uF		25V	R84	1-249-417-11	CARBON	1K	5%	1/4 W
						R85	1-249-408-11	CARBON	180	5%	1/4 W
		< CONNECTOR >									
								< SWITCH >			
CN1	1-695-092-11	SOCKET, CONNEC	CTOR 7P								
						S81		SWITCH, PUSH (0P)	
		< IC >				S82		SWITCH, LEAF (7			
						S83		SWITCH, LEAF (N			
IC1	8-752-076-30	IC CXA1917AM				S84		SWITCH, LEAF (F	,		
						S85	1-571-281-21	SWITCH, LEAF (F	REC-B) (RX	300)	
		< JUMPER RESIS	TOR>								
			_			S86		SWITCH, LEAF (F	,		
J1		METAL CHIP	0	0.5%		******	********	******	*****	******	*****
J2		METAL CHIP	0	0.5%							
J3	1-216-296-00	METAL CHIP	0	0.5%	1/8 W						
		DECLOTOD									
		< RESISTOR >									
D4	1 010 005 11	METAL OLUB	071/	0.50/	1/1014/						
R1	1-216-685-11		27K	0.5%	1/10W						
R2	1-208-811-11		16K	2%	1/10W						
R3	1-208-791-11		2.4K	2%	1/10W						
R4 R5	1-208-799-11		5.1K	2%	1/10W						
nθ	1-216-689-11	METAL CHIP	39K	0.5%	1/10W						
R6	1-216-689-11	METAL CHIP	39K	0.5%	1/ 10W						
R7		METAL CHIP	39K 33	0.5%	1/10W						
117	1-210-013-11	WIETAL UNIF	33	0.0 /0	17 1000						

MAIN	AC PO	WER SW	PANE	EL [POWE	R SW	REC VO	DL TRA	NSFOR	MER	НР
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
*	A-2007-523-A	MAIN BOARD, CO	MPLETE (KE	200)		C207	1-126-965-11	ELECT	22uF	20%	50V
*	A-2007-524-A	MAIN BOARD, CO	MPLETE (KE	400S:EX							
*		MAIN BOARD, CO				C208	1-126-964-11	ELECT	10uF	20%	50V
*		MAIN BOARD, CO			SEPIE)	C209	1 106 064 11	EL ECT	10	000/	(KE400S)
*		MAIN BOARD, CO				C210	1-126-964-11 1-126-963-11		10uF 4.7uF	20% 20%	50V 50V
		******	•	.000,		C211	1-126-962-11		3.3uF	20%	50V
						C212	1-124-902-00	ELECT	0.47uF	20%	50V
		AC POWER SW BO	•	PT US,C	ND,E)						
		**************************************	****			C213	1-126-963-11		4.7uF	20%	50V
		**********				C231	1-126-963-11	ELECT	4.7uF	20%	50V EPT KE200)
		POWER SW BOAR	RD (US,CND,	E)		C232	1-126-962-11	ELECT	3.3uF	20%	50V
		******		,		C233	1-162-294-31		0.001uF	10%	50V
		REC VOL BOARD				C501	1-126-952-11	ELECT	1000uF	20%	16V
		********	OADD			0500	1 100 001 11	FLEOT	40.5		
		TRANSFORMER B				C502 C503	1-126-964-11 1-126-964-11		10uF 10uF	20%	50V 50V
		HP BOARD				C503	1-124-903-11		1uF	20% 20%	50V 50V
		******				0001	1 124 300 11	LLLOI	iui		EPT KE200)
						C505	1-126-964-11	ELECT	10uF	20%	50V
*	3-377-337-11	HOLDER (FL)				C506	1-126-925-11	ELECT	470uF	20%	10V
*	3-923-762-11	HOLDER (TR)								(KE40	00S,KE200)
		< CAPACITOR >				C506	1-126-933-11	ELECT	100uF	20% (KE3	10V 800,RX300)
C101	1-137-372-11	FILM	0.022uF	5%	50V	C511	1-137-374-11	FILM	0.047uF	5%	50V
C101 ·	1-136-157-00	FILM	0.022uF	5%	EPT KE200) 50V	C512	1-136-164-00	FII M	0.082uF	5%	EPT KE200) 50V
0,0,	1 100 107 00	112101	0.02241	3 /0	(KE200)	0312	1-130-104-00	TILIVI	0.00201		PT KE200)
C102	1-126-963-11	ELECT	4.7uF	20%	50V ´	C513	1-137-367-11	FILM	0.0033uF	5%	50V
C103	1-162-302-11	CERAMIC	0.0022uF	20%	16V						PT KE200)
C104	1-126-964-11	ELECT	10uF	(EXCI 20%	EPT KE200) 50V	C521	1-126-964-11	ELECT	10uF	20%	50V
0104	1-120-904-11	ELEGI	TOUF	20%	30V	C551	1-162-282-31	CERAMIC	100PF	10%	50V
C105	1-136-165-00	FILM	0.1uF	5%	50V	C552	1-161-494-00		0.022uF	10 /0	25V
C106	1-136-163-00		0.068uF	5%	50V	C553	1-162-217-31		56PF	5%	50V
C107	1-126-965-11	ELECT	22uF	20%	50V	C554	1-124-925-11	ELECT	2.2uF	20%	100V
C108	1-126-964-11	ELECT	10uF	20%	50V	C555	1-124-925-11	ELECT	2.2uF	20%	100V
C109	1 100 004 11	FLECT	10	000/	(KE400S)	0574	1 104 005 11	FLEOT			40017
0103	1-126-964-11	ELECT	10uF	20%	50V	C571 C572	1-124-925-11 1-126-916-11		2.2uF 1000uF	20%	100V
C110	1-126-963-11	FLECT	4.7uF	20%	50V	C601	1-164-159-11		0.1uF	20%	6.3V 50V
C111	1-126-962-11		3.3uF	20%	50V	C602	1-162-288-31		330PF	10%	50V
C112	1-124-902-00		0.47uF	20%	50V	C701	1-126-943-11		2200uF	20%	25V
C113	1-126-963-11		4.7uF	20%	50V				220001	20 //	201
C131	1-126-963-11		4.7uF	20%	50V	C702	1-126-943-11	ELECT	2200uF	20%	25V
				(EXCI	EPT KE200)	C703	1-104-664-11		47uF	20%	25V
				•	,	C704	1-126-926-11		1000uF	20%	10V
C132	1-126-962-11	ELECT	3.3uF	20%	50V	C705	1-126-926-11		1000uF	20%	10V
C133	1-162-294-31	CERAMIC	0.001uF	10%	50V	C706	1-126-935-11		470uF	20%	6.3V
C201	1-137-372-11	FILM	0.022uF	5%	50V						4
C201	1 100 457 00	FIL AA	0.000 -		EPT KE200)	C707	1-126-964-11		10uF	20%	50V
0201	1-136-157-00	FILM	0.022uF	5%	50V	C708	1-126-963-11		4.7uF	20%	50V
C202	1-126-963-11	ELECT	4.7uF	20%	(KE200) 50V	C709	1-126-968-11		100uF	20%	50V
0202	1-120-303-11	LLEUI	4./uF	ZU70	5U V	C710 C711	1-104-664-11 1-164-159-11		47uF 0.1uF	20%	25V 50V
C203	1-162-302-11	CERAMIC	0.0022uF	20%	16V	0,11	1-104-105-11	OLITAIVIIU	U. IUF		JU V
		-			EPT KE200)	C712	1-161-494-00	CERAMIC	0.022uF		25V
C204	1-126-964-11	ELECT	10uF	20%	50V	△ C713	1-113-925-11		0.01uF	20%	250V
C205	1-136-165-00		0.1uF	5%	50V					(EXC	EPT US,E)
C206	1-136-163-00	FILM	0.068uF	5%	50V	1				,	•

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.

Ne les remplacer que par urae pièce portant le numéro spécifié.

1-136-163-00 FILM

0.068 uF

5%

50V

				_	L D	D. 1.11	Description	
		Description		Remark	Ref. No.	Part No.	Description	Remark
C714	1-136-169-00	FILM	0.22uF 5%		D709	8-719-933-54	DIODE HZS9A2L	
			(KE200,KE300:EXC			8-719-000-60	DIODE UZL-6M2	
C715	1-136-169-00	FILM	0.22uF 5%		D711	8-719-987-63	DIODE 1N4148M	
0746	1 110 000 11	0504440	(KE200,KE300:EXC) D712	8-719-987-63	DIODE 1N4148M	
C716	1-113-920-11	CERAMIC	0.0022uF 20°		D713	8-719-000-93	DIODE UZL-7H1	
				(RX300)	D713	8-719-000-93		
C801	1-126-963-11	ELECT	4.7uF 20°	% 50V	D714	8-719-985-41	DIODE HZS2CLL	
	1-161-494-00		0.022uF	25V	D801	8-719-933-33		
	1-161-494-00		0.022uF	25V	D802	8-719-933-33		
	1-161-494-00		0.022uF	25V				
	1-126-964-11		10uF 20				< INDICATOR TUBE >	
C807	1-126-935-11	ELECT	470uF 20		FL901	1-517-374-11	·	
	1-161-494-00		0.022uF	25 V	FL901	1-517-173-11	INDICATOR TUBE, FLUORESCENT	
	1-161-494-00		0.022uF	25V			(E:	XCEPT KE400
	1-162-282-31		100PF 10					
C811	1-164-159-11	CERAMIC	0.1uF	5 0V			< IC >	
			0.047.5		10504	0.750.000.05	10 0VA15000 (VE4000)	
C812	1-137-374-11	FILM	0.047uF 5%		IC501		IC CXA1563S (KE400S)	
			(KE200,KE300:EXC	EP1 E.KE4005	IC501 IC502		IC CXA1561S (EXCEPT KE400S) IC CXA1579P (EXCEPT RX300)	
		CONNECTOR) .		IC502	8-752-055-61	,	
		< CONNECTOR	1>		IC502		IC M5218AP (EXCEPT KE200)	
CN81	1-568-826-11	SOCKET, CON	NECTOR 7P		10303	0 755 054 51	10 WISETONI (EXOLIT RE200)	
			FOR (PC BOARD) 7P	(KE400S)	IC504	8-759-634-51	IC M5218AP	
			TOR (PC BOARD) 7P		IC505		IC M5218AP	
	1-568-830-11			(112 1000)	IC506	8-759-140-53))
	1-568-954-11		TOR 5P (US,CND,E)		IC507	8-759-634-51	•	,
	, 000 00	,	(,- , ,		IC508	8-759-000-48		
CN506	1-506-468-11	PIN, CONNEC	TOR 3P					
CN701	1-564-510-11	PLUG, CONNE	CTOR 7P		IC509	8-759-916-14	IC SN74HC04AN (EXCEPT KE200))
CN702	1-580-230-31	PIN, CONNEC	TOR (PC BOARD) 2P		IC510		IC M5218AP	
CN703	1-573-565-11		TOR 5P (KE300:E)		IC511	8-759-634-51		
CN704	1-568-226-11	PIN, CONNEC	TOR 2P (EXCEPT US	,E)	IC512	8-759-634-51		
					IC601	8-759-803-42	IC LA6500-FA	
CN801	1-568-844-11				10701	0.750.004.51	IC MEGICAD	
CN901	1-568-844-11				IC701		IC M5218AP	
CN904	1-568-830-11				IC801		IC CXP82612-022Q IC PST600E-T	
CNB31 CNB33			BOARD TO BOARD BOARD TO BOARD		IC802 IC901		IC SBX1810-59	
UNDSS	1-091-910-11	CONNECTOR,	DOAILD TO DOAILD		10301	0 741 010 00	10 0BX1010 03	
		< DIODE >					< JACK >	
D131	0 710-007 60	DIODE 1N41	18M		J501	1-770-61/1-11	JACK, PIN 4P (LINE)	
D131		DIODE 1N41			J502		JACK, FIN 4F (LINE) JACK, LARGE TYPE (PHONES)	
D231		DIODE 1N41			0302	1 000 010 41	onon, entide title (titlotte)	
D232		DIODE 1N41					< FILTER >	
D511			48M (EXCEPT KE20	0)			· · · · · · · · · · · · · · · · · · ·	
	0 / 10 00/ 00	5.002	(2/102/ 1 / 1220	-,	LPF101	1-235-175-11	FILTER, LOW PASS (EXCEPT KE20	00)
D512	8-719-987-63	DIODE 1N41	48M (EXCEPT KE20	0)	LPF101	1-236-087-11	FILTER, LOW PASS (KE200)	,
D513	8-719-987-63	DIODE 1N41	48M		LPF201	1-235-175-11	FILTER, LOW PASS (EXCEPT KE20	00)
D551	8-719-987-63	DIODE 1N41	148M		LPF201	1-236-087-11	FILTER, LOW PASS (KE200)	
D701		DIODE 11ES						
D702	8-719-024-99	DIODE 11ES	S2-NTA2B				< TRANSISTOR >	
D703	8-719-024-99	DIODE 11ES	S2-NTA2R		Q101	8-729-900-89	TRANSISTOR DTC144ES	
D704	-	DIODE 11ES			Q102		TRANSISTOR DTC114ES (EXCEP	PTK E200)
D705		DIODE 11ES			Q121		TRANSISTOR 2SD2144S-UVW	/
D706		DIODE 11ES			Q122		TRANSISTOR 2SC2785-HFE (EX	CEPT KE200
D707	-	DIODE 11ES			Q201		TRANSISTOR DTC144ES `	•
D708		DIODE HZS						

critical for safety.
Replace only with part number specified.

sécurité. Ne les remplacer que par une pièce portant le numéro spécilé.

MAIN	AC POWER SW	PANFI	POWER SW	DECVOI	TRANSFORMER	ЦD
	AOTOWENON	1.711	· OWEN OW	INEC VOL	INAMOFORMEN	Inc

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
Q202		TRANSISTOR			200)	R124	1-249-437-11	CARBON	47K	5%	1/4W
Q221 Q222		TRANSISTOR TRANSISTOR			KE200)	R125	1-249-425-11	CARBON	4.7K	(EXC 5%	CEPT KE200) 1/4W
Q503	8-729-422-57	TRANSISTOR	UN4111			R131	1-249-425-11	CARRON	4.7K	(EXC 5%	EPT KE200) 1/4W
Q504 Q505		TRANSISTOR TRANSISTOR		v200\						(EXC	CEPT KE200)
Q511	8-729-119-78	TRANSISTOR	2SC2785-HFE	(EXCEPT		R132	1-247-822-11		430	5% (EXC	1/4W CEPT KE200)
Q512 Q521		TRANSISTOR TRANSISTOR		KCEPT KE	(200)	R133	1-247-866-11	CARBON	30K	5% (EXC	1/4W CEPT KE200)
Q531	8-729-422-57	TRANSISTOR	UN4111 (EXC	EPT KE20	10)	R134	1-249-435-11	CARRON	33K	5%	1/4W
Q532		TRANSISTOR			,	R135	1-249-439-11		68K	5%	1/4W
Q551		TRANSISTOR				R136	1-249-410-11		270	5%	1/4W
Q572		TRANSISTOR				R141	1-249-432-11		18K	5%	1/4 VV 1/4W
Q573		TRANSISTOR		CEDT KE	200)	R142	1-249-432-11		18K		
				VOLI I INL	200)	11142			ION	5%	1/4 W
Q601		TRANSISTOR				R143	1-249-423-11	CARBON	3.3K	5%	1/4W
Q701	8-729-141-83	TRANSISTOR	2SB1094-LK			R144	1-247-848-11	CARBON	5.1K	5%	1/4W
Q702	8-729-209-15	TRANSISTOR	2SD2012			R145	1-249-409-11	CARBON	220	5%	1/4W
Q703	8-729-900-74	TRANSISTOR	DTC143TS (E)	CEPT KE	200)	R151	1-249-433-11	CARBON	22K	5%	1/4W
Q704		TRANSISTOR			,	R152	1-249-417-11		1K	5%	1/4W
						11102	1 243 417 11	OANDON	П	J /0	1/4 **
Q705		TRANSISTOR				R153	1-249-441-11	CARBON	100K	5%	1/4W
Q706	8-729-900-74	TRANSISTOR	DTC143TS (E)	CEPT KE	200)	R154	1-249-433-11	CARBON	22K	5%	1/4W
Q707	8-729-119-76	TRANSISTOR	2SA1175-HFE			R201	1-247-838-00		2K	5%	1/4W
Q708	8-729-140-04	TRANSISTOR	2SB1116A-L								EPT RX300)
Q803		TRANSISTOR				R201	1-249-421-11	CARBON	2.2K	5%	1/4W
0005	0.700.440.70	TD 4 NO 10 TO D	0044475								(RX300)
Q805	8-729-119-76	TRANSISTOR	2SA11/5-HFE			R202	1-247-842-11	CARBON	3K	5% (EXCI	1/4W EPT RX300)
		< RESISTOR >				B000	1 0 10 100 11	0.1550		•	,
R101	1-247-838-00	CARBON	2K	5%	1/4W	R202	1-249-423-11	CARBON	3.3K	5%	1/4W (RX300)
				(EXC	PT RX300)	R204	1-249-417-11	CARBON	1K	5%	1/4W
R101	1-249-421-11	CARBON	2.2K	5%	1/4W	R205	1-249-423-11		3.3K	5%	1/4W
					(RX300)	R206	1-247-887-00		220K	5%	1/4W
R102	1-247-842-11	CARBON	3K	5%	1/4W	11200	1 2 17 007 00	OAHDON	22010		EPT KE200)
		O/ II I DOI	OIL		PT RX300)	R207	1-249-428-11	CADDON	0.01/		
R102	1-249-423-11	CARBON	3.3K	5%	1/4W	11207	1-245-420-11	CANDUN	8.2K	5%	1/4W
					(RX300)	R208	1-249-429-11	CARBON	10K	5%	1/4W
R104	1-249-417-11	CARBON	1K	5%	1/4W	R210	1-249-429-11	CARBON	10K	5%	1/4W
						R211	1-249-423-11		3.3K	5%	1/4W
R105	1-249-423-11	CARBON	3.3K	5%	1/4W	R212	1-247-864-11		24K	5%	1/4W
R106	1-247-887-00		220K	5%	1/4W		1 2 11 001 11	0/11/10/11	2410	370	(KE400S)
		0,110011	LLON		EPT KE200)	R213	1-249-429-11	CADRON	10K	E0/	(KE4003) 1/4W
R107	1-249-428-11	CARBON	8.2K	5%	1/4W	11210	1-243-423-11	CANDUN	IUK	5%	
R108	1-249-429-11	CARBON	10K	5%	1/4W						(KE400S)
R110	1-249-429-11					D014	1 040 407 44	0.4.0.0.0.1	4-14		
11110	1-249-429-11	CARBON	10K	5%	1/4W	R214	1-249-437-11	CARBON	47K	5%	1/4W (KE400S)
R111	1-249-423-11	CARBON	3.3K	5%	1/4W	R221	1-249-437-11	CARRON	47K	5%	1/4W
R112	1-247-864-11		24K	5%	1/4W	R222	1-249-421-11		2.2K	5%	1/4W
	55. 11			5 /0	(KE400S)	R223	1-249-421-11		2.2K 2.2K	5% 5%	1/4W
					(1124000)						
R113	1-249-429-11	CARBON	10K	5%	1/4W	R224	1-249-437-11	VANDUN	47K	5% (EXCE	1/4W EPT KE200)
R114	1-240-427-44	CARRON	471/	E0/	(KE400S)	D005	4 040 40= ::	0.4.00.000		·	•
	1-249-437-11	CANDUN	47K	5%	1/4W (KE400S)	R225	1-249-425-11	CARRON	4.7K	5% (EXCE	1/4W EPT KE200)
R121	1-249-437-11	CARBON	47K	5%	1/4W	R231	1-249-425-11	CARBON	4.7K	5%	1/4W
R122	1-249-421-11		2.2K	5%	1/4W			5,11,501	1.71		PT KE200)
R123	1-249-421-11		2.2K	5%	1/4W	R232	1-247-822-11	CARRON	430	•	,
	2.0 .21 11	35014	2.211	J /0	1/ -TVV	11202	1 271-022-11	OMITOUN	430	5% (EXCE	1/4W PT KE200)

MAIN AC POWER SW PANEL POWER SW REC VOL TRANSFORM	R
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Ref. No.	Part No.	Description		ł	Remark	Ref. No.	Part No.	Description			Remark
R233	1-247-866-11	CARBON	30K	5%	1/4W	R526	1-249-429-11	CARBON	10K	5%	1/4W
11233	1-247-000-11	CANDON	3010		PT KE200)	11020	1 2 10 120 11	071112011	1011	0,0	(RX300)
R234	1-249-435-11	CARRON	33K	5%	1/4W	R527	1-249-426-11	CARBON	5.6K	5%	1/4W
11204	1 243 403 11	UAITEON	OOK	0,0	.,	11027	. 2.0 .20	0,	5,5,1		EPT KE200)
R235	1-249-439-11	CARBON	68K	5%	1/4 W						,
R236	1-249-410-11		270	5%	1/4W	R528	1-249-422-11	CARBON	2.7K	5%	1/4W
R241	1-249-432-11		18K	5%	1/4W					(EXC	EPT KE200)
R242	1-249-432-11		18K	5%	1/4W	R529	1-249-429-11	CARBON	10K	5%	1/4W
R243	1-249-423-11		3.3K	5%	1/4W	R530	1-249-421-11		2.2K	5%	1/4 W
	1 2 10 120 11	07.11.12.01.1	5.5	• , •		R531	1-249-427-11		6.8K	5%	1/4 W
R244	1-247-848-11	CARBON	5.1K	5%	1/4W					(KE3	00,KE400S)
R245	1-249-409-11		220	5%	1/4W	R531	1-249-426-11	CARBON	5.6K	5%	1/4W
R251	1-249-433-11		22K	5%	1/4W						(RX300)
R252	1-249-417-11		1K	5%	1/4 W						
R253	1-249-441-11		100K	5%	1/4 W	R532	1-249-433-11	CARBON	22K	5%	1/4W
										(KE3	00,KE400S)
R254	1-249-433-11	CARBON	22K	5%	1/4W	R532	1-247-862-11	CARBON	20K	5%	1/4 W
R502	1-215-452-00		20K	1%	1/4W						(RX300)
R503	1-249-422-11		2.7K	5%	1/4 W	R535	1-249-419-11	CARBON	1.5K	5%	1/4W
R504	1-215-455-00		27K	1%	1/4W					(KE3	00,KE400S)
R505	1-249-417-11		1K	5%	1/4W	R536	1-249-421-11	CARBON	2.2K	5%	1/4W
				(EXCE	PT KE200)					(EXC	EPT KE200)
					,	R537	1-247-866-11	CARBON	30K	5%	1/4W
R506	1-249-429-11	CARBON	10K	5%	1/4W					(EXC	EPT KE200)
	. 2 10 .20				(RX300)					,	
R507	1-249-440-11	CARBON	82K	5%	1/4W	R538	1-247-852-11	CARBON	7.5K	5%	1/4 W
				-	(RX300)					(EXC	EPT KE200)
R512	1-249-421-11	CARBON	2.2K	5%	1/4W	R539	1-249-431-11	CARBON	15K	5%	1/4W
					PT KE200)					(EXC	EPT KE200)
R513	1-249-441-11	CARBON	100K	5%	1/4W [′]	R540	1-247-874-11	CARBON	62K	5%	1/4W
				(EXC	EPT KE200)					(EXC	EPT KE200)
R514	1-249-441-11	CARBON	100K	5%	1/4W	R541	1-249-429-11	CARBON	10K	5%	1/4W
				(EXC	EPT KE200)					(EXC	EPT KE200)
				`	,	R542	1-249-429-11	CARBON	10K	5%	1/4W
R515	1-249-436-11	CARBON	39K	5%	1/4W					(EXC	EPT KE200)
				(EXC	EPT KE200)						
R516	1-249-425-11	CARBON	4.7K	5%	1/ 4W	R543	1-249-429-11	CARBON	10K	5%	1/4W
				(EXC	EPT KE200)					(EXC	EPT KE200)
R517	1-249-433-11	CARBON	22K	5%	1/4W	R544	1-249-429-11	CARBON	10K	5%	1/4W
				(EXCI	EPT KE200)					(EXC	EPT KE200)
R518	1-249-425-11	CARBON	4.7K	5%	1/4W	R553	1-249-437-11	CARBON	47K	5%	1/4 W
				(EXCI	EPT KE200)	R555	1-249-427-11	CARBON	6.8K	5%	1/4 W
R521	1-249-426-11	CARBON	5.6K	5%	1/4W	R556	1-249-423-11	CARBON	3.3K	5%	1/4 W
				(KE30	00,KE400S)						
						R557	1-249-441-11	CARBON	100K	5%	1/4 W
R521	1-247-852-11	CARBON	7.5K	5%	1/4 W	R558	1-249-429-11	CARBON	10K	5%	1/4W
					(RX300)	R559	1-249-441-11	CARBON	100K	5%	1/4 W
R522	1-249-426-11	CARBON	5.6K	5%	1/4W	R560	1-249-417-11	CARBON	1K	5%	1/ 4W
				(KE3	00.KE400S)	R561	1-249-432-11	CARBON	18K	5%	1/4W
R522	1-247-852-11	CARBON	7.5K	5%	1/4W						
					(RX300)	R562	1-249-436-11	CARBON	39K	5%	1/4W
R523	1-247-858-11	CARBON	13K	5%	1/4W	R563	1-247-848-11	CARBON	5.1K	5%	1/4 W
				(EXC	EPT KE200)						(KE200)
R524	1-247-852-11	CARBON	7.5K	5%	1/4W	R564	1-247-834-11	CARBON	1.3K	5%	1/4W
					(RX300)						(KE200)
						R565	1-249-430-11	CARBON	12K	5%	1/4W
R525	1-247-854-11	CARBON	9.1K	5%	1/4 W						(KE200)
				(KE3	00,KE400S)	R567	1-249-433-11	CARBON	22K	5%	1/4W
R525	1-249-429-11	CARBON	10K	5%	1/4 W						(KE200)
					(RX300)	1					
R526	1-247-854-11	CARBON	9.1K	5%	1/4W	R572	1-249-429-11		10K	5%	1/4W
				(KE3	00,KE400S)	R573	1-249-429-11	CARBON	10K	5%	1/4 W
						*					

MAIN	AC PO	WER SW	PAN	EL	POWE	R SW	REC V		TRANSFOR	RMER	HP
Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Descrip	tion		Remark
R574	1-249-435-11	CARBON	33K	5%	1/4W	R815	1-247-807-31				
1107 4	1 243-400-11	CANDON	JUN		CEPT KE200)	R816	1-247-807-31			5%	1/4W
R575	1-247-807-31	CARBON	100	5%	1/4W	noio	1-247-007-31	CARBUI	N 100	5%	1/4W
R576	1-249-435-11		33K	5%	1/4W	R820	1-247-807-31	CARBOI	N 100	5%	1/4W
11070	1 243 403 11	OANDON	JUK	J /6	(KE400S)	R821	1-249-429-11	CARBO			1/4W
					(NE4003)	R822	1-249-429-11	CARBO		5%	
R577	1-249-429-11	CARBON	10K	5%	1/4W	R823	1-249-429-11			5%	1/4W
R578	1-249-433-11		22K	5%	1/4W					5%	1/4W
R601	1-249-419-11		1.5K	5%	1/4W	R824	1-249-421-11	CARBO	N 2.2K	5%	1/4 W
R602	1-249-419-11		1.5K 10K	5% 5%	1/4 W	Door	1 040 405 11	CADDO	N 001/	5 0/	4 (4)4(
R603	1-247-807-31		100			R825	1-249-435-11	CARBO		5%	1/4W
11003	1-247-007-31	CANDUN	100	5%	1/4W	R826	1-249-421-11	CARBO		5%	1/4W
R604	1-249-433-11	CADRON	001/	5 0/	4 / 4\4/	R827	1-249-422-11	CARBO		5%	1/4W
R605		CARBON	22K	5%	1/4W	R828	1-249-422-11			5%	1/4W
	1-249-433-11		22K	5%	1/4W	R829	1-249-422-11	CARBO	N 2.7K	5%	1/4W
R606	1-249-430-11		12K	5%	1/4W						
R607	1-249-433-11		22K	5%	1/4W	R830	1-249-429-11	CARBO		5%	1/4W
R608	1-247-862-11	CARBON	20K	5%	1/4W	R831	1-249-429-11	CARBO		5%	1/4W
						R832	1-249-437-11	CARBO		5%	1/4W
R609	1-249-429-11	CARBON	10K	5%	1/4 W	R833	1-249-437-11	CARBO	N 47K	5%	1/4W
R701	1-249-425-11		4.7K	5%	1/4 W	R901	1-249-420-11	CARBO	V 1.8K	5%	1/4W
R702	1-249-419-11		1.5K	5%	1/4W						
R703	1-249-418-11		1.2K	5%	1/4W	R902	1-249-423-11	CARBON	V 3.3K	5%	1/4W
R704	1-249-427-11	CARBON	6.8K	5%	1/4W	R903	1-249-426-11	CARBON		5%	1/4 W
						R904	1-249-429-11	CARBON		5%	1/4W
R705	1-249-419-11	CARBON	1.5K	5%	1/4W	R905	1-249-435-11	CARBON		5%	1/4W
R706	1-249-419-11		1.5K	5%	1/4W	R906	1-249-420-11	CARBON		5%	1/4W
R707	1-249-429-11	CARBON	10K	5%	1/4W	1.000	. 2.0 .20	07111101	1.010	070	1/ 7 * *
R708	1-249-425-11	CARBON	4.7K	5%	1/4W	R907	1-249-423-11	CARBON	N 3.3K	5%	1/4W
R709	1-249-409-11		220	5%	1/4W	R908	1-249-426-11	CARBON		5%	1/4W
		0,11,2011		3 / 0	.,	R909	1-249-429-11	CARBON		5%	1/4W
R710	1-249-417-11	CARBON	1K	5%	1/4W	11303	1 243 423 11	CALIDOI	N TOK	J /0	(RX300)
R711	1-249-427-11		6.8K	5%	1/4W	R910	1-249-435-11	CARBON	N 33K	E0/	(hasuu) 1/4W
R712	1-249-427-11		6.8K	5%	1/4W	11310	1-243-433-11	CANDU	v ssk	5%	
R713	1-249-421-11	CARBON	2.2K	5%	1/4W	R912	1-247-807-31	CARBON	100	F0/	(RX300)
R714	1-249-425-11		4.7K	5%	1/4W	n912	1-247-007-31	CANDU	N 100	5%	1/4W
	1 243 423 11	CANDON	4.71	J /0	(US,CND,E)	D012	1-249-429-11	CADDON	.1 4017	5 0/	4 / 4/4/
					(US,CND,E)	R913		CARBON		5%	1/4W
R715	1-249-421-11	CARBON	2.2K	5%	1/4W	R921	1-249-430-11	CARBON	N 12K	5%	1/4W
R716	1-249-437-11	CARBON				D004	1 047 000 44	040004		==:	(KE400S)
R717	1-249-437-11		47K	5%	1/4W	R921	1-247-836-11	CARBON	N 1.6K	5%	1/4W
R718			10K	5%	1/4W	5000	1 0 10 107 11			((KE400S)
R719	1-247-870-11		43K	5%	1/4W	R922	1-249-427-11	CARBON	N 6.8K	5%	1/4W
11713	1-249-429-11	CARBON	10K	5%	1/4 W	5000					(KE400S)
R801	1 040 447 44	CADDON	417	5 0/	4 / 454 /	R922	1-249-421-11	CARBON	N 2.2K	5%	1/4W
	1-249-417-11		1K	5%	1/4W					(EXCEPT	KE400S)
R802	1-249-441-11		100K	5%	1/4 W						
R803	1-249-429-11		10K	5%	1/4 W	R923	1-249-423-11	CARBON	√ 3.3K	5%	1/4W
R805	1-249-434-11		27K	5%	1/4 W	R924	1-247-868-11	CARBON	√ 36K	5%	1/4W
R806	1-249-434-11	CARBON	27K	5%	1/4 W						(KE400S)
				(EX	CEPT KE200)	R924	1-249-427-11	CARBON	l 6.8K	5%	1/4W
										(KE3C	0,RX300)
R807	1-249-434-11	CARBON	27K	5%	1/4W	R925	1-247-836-11	CARBON	J 1.6K	5%	1/4W
					CEPT KE200)						(KE400S)
R808	1-249-434-11	CARBON	27K	5%	1/4W	R926	1-249-421-11	CARBON	1 2.2K	5%	1/4W
				(EX	CEPT KE200)			07.11.12.011	. 2.2.1		(KE400S)
R809	1-249-434-11	CARBON	27K	5%	1/4W						(1124000)
					CEPT KE200)			- \/ΔRΙΛΙ	BLE RESISTOR >		
R810	1-247-807-31	CARBON	100	5%	1/4W			< vANIA	PER HEOROTOR >		
R811	1-247-807-31		100	5%	1/4W	RV111	1-241-630-11	BEG VD	I CARRON 10K /DEC	יחפר ו ביייב	LIV
	217 007 01	CATIDON	100	J /0	1/ 7V	RV211	1-241-630-11		J, CARBON 10K (REC		
R812	1-247-807-31	CARRON	100	5%	1//\A/				J, CARBON 10K (REC		
R813	1-247-807-31		100	5% 5%	1/4W	RV901	1-223-604-11		R, CARBON 10K/10K		
R814	1-247-807-31		100		1/4W	RV902	1-223-605-11	MES, VAI	R, CARBON 20K/20K	(RALANCE)
	· 471-001-01	OUIDON	100	5%	1/4 W						

MAIN	AC PO	WER SW PANEL	POWE	R SW	REC VO	TRANSFORMER HP
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description Remark
		< SWITCH >		HE901 HRP901	1-543-673-11 1-543-919-11	HEAD, MAGNETIC (ERASE) (EXCEPT RX300) HEAD, MAGNETIC (RECORD/PLAYBACK)
S901		SWITCH, TACTILE (■■ PAUSE)				(EXCEPT RX300)
S902 S903		SWITCH, TACTILE (◀◀ ▷ AMS ► SWITCH, TACTILE (◀◀ ▷ AMS ►	•)	HRPE90	1A-2004-527-A	DECK ASSY, HEAD (RECORD/PLAYBACK/ERASE) (RX300)
S904	1-554-303-21	SWITCH, TACTILE (◄◄ ▷ AMS ▶►	EPT RX300) -) (RX300)	M901	Y-3363-501-2	MOTOR ASSY, REEL (REEL)
S905		SWITCH, TACTILE (O REC MUTE)) (11/1000)	M902		MOTOR ASSY, CAPSTAN (CAPSTAN)
0000	1 004 000 21	, monet (• ne mone)		△S701		SWITCH, VOLTAGE CHANGE (E)
S906	1-554-303-21	SWITCH, TACTILE (RESET)		 ∆ T901		TRANSFORMER, POWER
S907	1-554-303-21	SWITCH, TACTILE (MEMORY)				(KE200,KE300:EXCEPT E)
S908		SWITCH, TACTILE (■)				
S909		SWITCH, TACTILE (◀◀)				TRANSFORMER, POWER (KE300:E)
S910	1-554-303-21	SWITCH, TACTILE (►►)		▲ T901		TRANSFORMER, POWER (RX300)
				△ T901		TRANSFORMER, POWER (KE400S:EXCEPT US)
S911		SWITCH, TACTILE (REC)		 ∆T901	1-42/-/52-11	TRANSFORMER, POWER (KE400S:US)
S912 S921		SWITCH, SLIDE (DIRECTION) (RX300 SWITCH, TACTILE (AUTO CAL) (EXCE		******	*******	************
S922 S922		SWITCH, ROTARY (DOLBY NR) (KE40 SWITCH, ROTARY (DOLBY NR) (KE30	00,RX300)			ACCESSORIES & PACKING MATERIALS
S922	1-762-640-11	SWITCH, ROTARY (DOLBY NR) (KE20 SWITCH, AC POWER PUSH (1 KEY) (į.	1-551-734-11	CORD, CONNECTION
∆ S930	1-762-581-11	(EXCÉP	T US,CND,E)		3-856-130-11	MANUAL, INSTRUCTION (ENGLISH/FRENCH)
S931	1-/62-580-11	SWITCH, PUSH (1 KEY) (POWER) (US < TRANSFORMER >	S,UND,E)		3-856-134-11	(RX300) MANUAL, INSTRUCTION (ENGLISH/FRENCH/ SPANISH/PORTUGUESE) (AEP)
 ∆T901	1-426-651-11	TRANSFORMER, POWER (KE200, KE3	00.		3-856-134-21	MANUAL, INSTRUCTION (ENGLISH) (US,UK,AUS)
△ T901	1-426-652-11	TRANSFORMER, POWER (KE300:E)	EXCEPT E)		3-856-134-31	MANUAL, INSTRUCTION (GERMAN/DUTCH/ SWEDISH/ITALIAN)(AEP)
▲ T901	1-427-743-11	TRANSFORMER, POWER (RX300)				
▲ T901	1-427-751-11	TRANSFORMER, POWER (KE400S:EX			3-856-134-41	MANUAL, INSTRUCTION (GERMAN) (G)
▲ T901	1-427-752-11	TRANSFORMER, POWER (KE400S:US	5)		3-856-134-51	MANUAL, INSTRUCTION (ENGLISH,FRENCH, SPANISH,CHINESE) (E,MY,SP)
		< TEST PIN >		*	3-931-693-01 3-932-083-01	INDIVIDUAL CARTON (KE400S:US,AUS) CUSHION
* TP801	1-560-060-00	PIN, CONNECTOR 2P		*	3-935-033-01	INDIVIDUAL CARTON (KE200)
		< VIBRATOR >		*		INDIVIDUAL CARTON (KE300:AEP,G,MY,SP)
				*		INDIVIDUAL CARTON (KE400S:AEP,UK,G)
X801	1-577-360-11	VIBRATOR, CERAMIC (6MHz)		*		INDIVIDUAL CARTON (RX300)
******	******	**********	*****	*	3-935-090-01	INDIVIDUAL CARTON (KE300:E,AUS)
		MICCELLANICOLIC		******	******	******************************
		MISCELLANEOUS ***********				*****
						HARDWARE LIST
		ADAPTER, CONVERSION 2P (KE300: WIRE (FLAT TYPE) (29 CORE)	E)			**********
61		WIRE (FLAT TYPE) (7 CORE)		#1	7-682-548-04	SCREW +BVTT 3X8 (S)
67		WIRE (FLAT TYPE) (11 CORE)		#1		SCREW +BVTT 3X6 (S)
		CORD, POWER (POLAR.SPT-1)		#3		SCREW +BVTT 3X8 (S)
••••	. 555 5 10 21			#4		SCREW +BVTP 3X8 TYPE2 N-S
△ CNP901	1-575-651-21	CORD, POWER (AEP,G,MY,SP)		#5		SCREW +BVTT 2.6X6 (S)
		CORD, POWER (E)				` '
⚠ CNP901	1-696-845-11	CORD, POWER (AUS)		#6	7-685-134-19	SCREW (+ PTPWH) (2.6X8)
	1-751-523-11	CORD, POWER (UK)		#7		SCREW +B 2.6X3
FL901	1-517-173-11	· · · · · · · · · · · · · · · · · · ·		#8		SCREW +P 2.6X2.8
		(KE200,K	(E300,RX300)	#9	7-621-772-58	SCREW (+B2X10) (EXCEPT RX300)
FL901	1-517-374-11	INDICATOR TUBE, FLUORESCENT ((E400S)			

The components identified by mark
⚠ or dotted line with mark ⚠ are critical for safety.

Replace only with part number specified.

Les composants identifiés par une marque ∆ sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié